

NOTICE

THIS RAMP WILL BE

CLO-SED

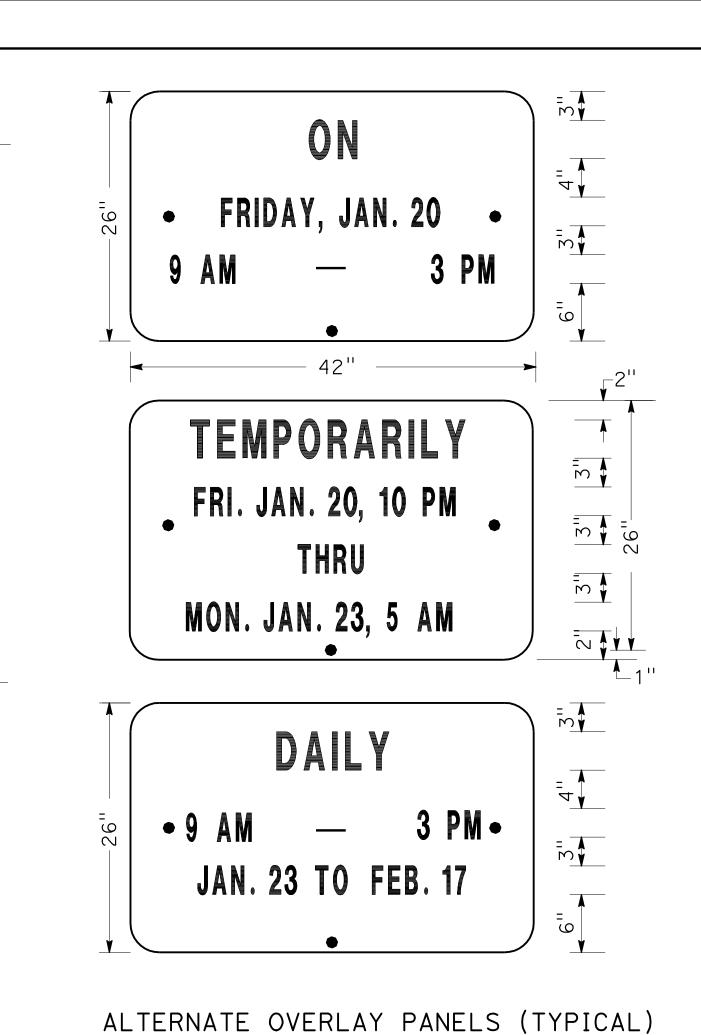
WEEKDAYS

JAN. 23 TO FEB. 17

SIGN SP-1

3 PM •

• 9 AM



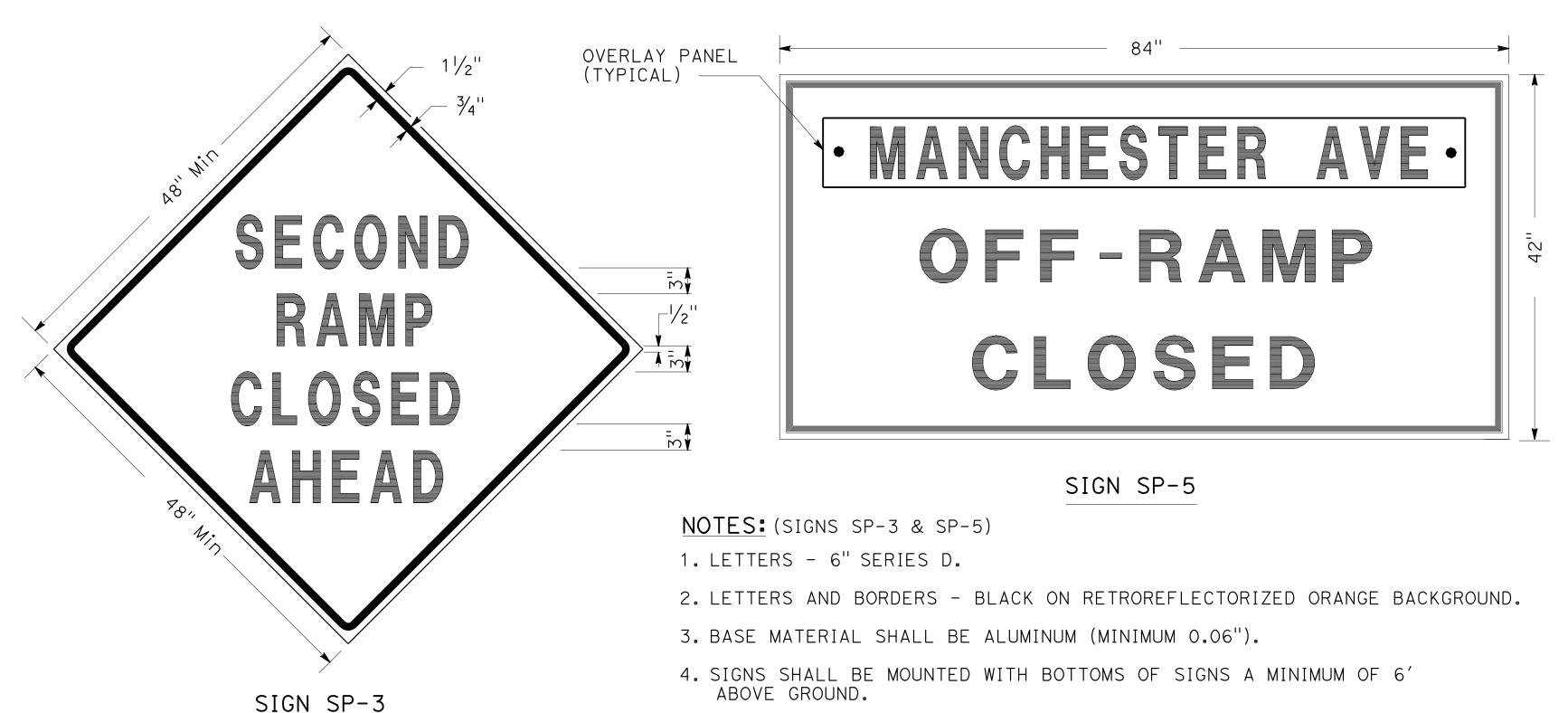
NOTES:(SIGN SP-1)

- 1. SIGNS SHALL HAVE ORANGE RETROREFLECTORIZED BACKGROUND WITH BLACK BORDER AND LETTERS.
- 2. BOLT HOLES SHALL BE 3/8" DIAMETER.
- 3. BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
- 4. SIGNS SHALL BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 6' ABOVE GROUND.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS			
07	LA	710	18.4/R26.7	3	26			
REGISTERED CIVIL ENGINEER DUKE HUYNH 11-8-10 PLANS APPROVAL DATE DUKE HUYNH No. 65591 Exp. 9-30-11								
OR A THE	GENTS SHALL	LIFORNIA OR IT NOT BE RESPO COMPLETENESS PLAN SHEET.	TC OFFICEDS \mathbb{N}^{r}	CIVIL OF CAL IFO	/ '//			

SIZE	BORDER	MARGIN					LET	TE	r size	Ξ					CORNER
SIZE	WIDTH	WIDTH	LINE	1	LINE	2 *	LINE	3	LINE	4	LINE	5,6	&	7 ×	RADIUS
48"×60"	1 1/4"	3/4''	4E		4D		6E		4D						3''
42"×26"	OVERL	_AY										3D			11/2"
		X	CONDE	ΞN	SED S	SPAC	ING I	F	NECES	SA	λRΥ				

SPECIAL ADVANCE NOTICE PUBLICITY SIGN



SPECIAL SIGN FOR EXIT RAMP CLOSURES



SIGN SP-4

OVERLAY PANEL (TYPICAL)

NOTES: (SIGN SP-4)

- 1. LETTERS 6" SERIES C.
- 2. LETTERS AND BORDERS BLACK ON RETROREFLECTORIZED WHITE BACKGROUND.
- 3. BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
- 4. SIGNS SHALL BE PLACED AT RAMP ENTRANCES IN ADDITION TO SIGNS POSTED IN ACCORDANCE WITH STANDARD PLAN T14.

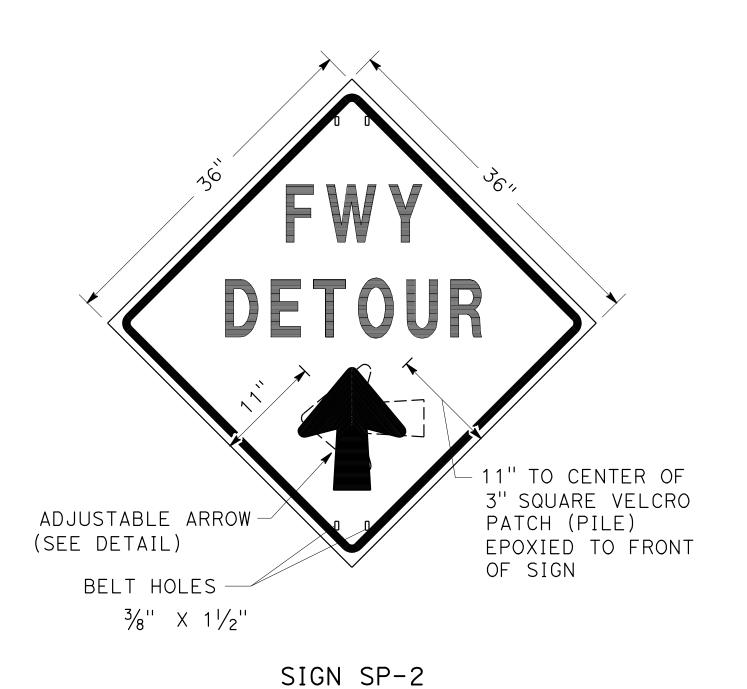
SPECIAL SIGN FOR ENTRANCE RAMP CLOSURES

TRAFFIC HANDLING DETAILS TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURES, DETOUR SIGNS AND MISCELLANEOUS DETAILS SHEET 1 OF 2

NO SCALE

THD-1

USERNAME => s122436 RELATIVE BORDER SCALE IS IN INCHES PROJECT NUMBER & PHASE 07000202551 UNIT 1963 BORDER LAST REVISED 7/2/2010 **DGN FILE =>** 0700020255me001.dgn

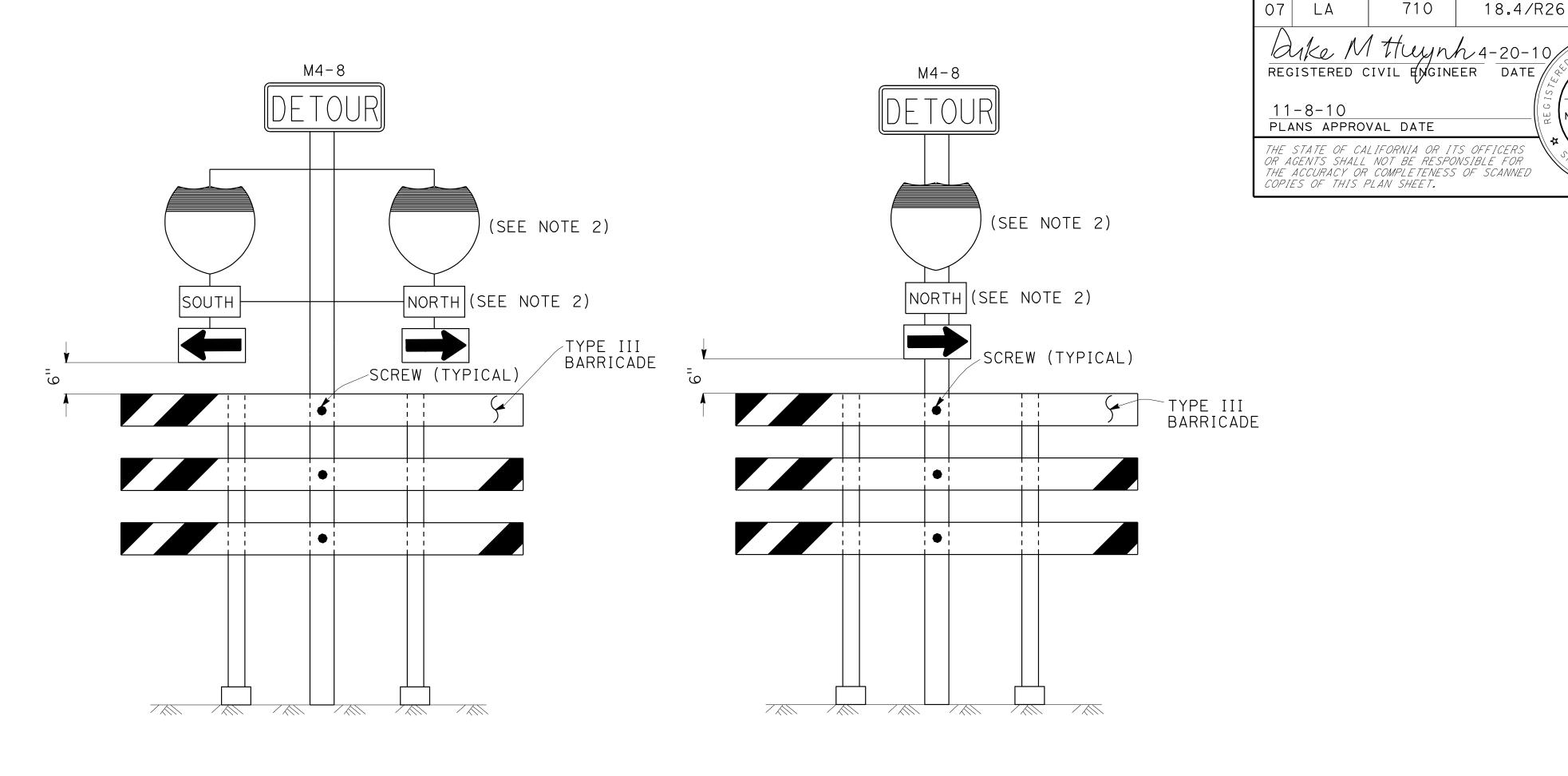


NOTES: (SIGN SP-2)

- 1.LETTERS -6" SERIES E.
- 2.LETTERS, BORDER AND ARROW BLACK ON RETROREFLECTORIZED ORANGE BACKGROUND.
- 3.BASE MATERIAL FOR SIGNS AND ARROWS SHALL BE ALUMINUM (MINIMUM 0.06").
- 4.BELTS (LUGGAGE STRAPS) SHALL BE 1" WIDE BY 48" LONG, MADE OF COTTON OR POLYPROPYLENE WEB MATERIAL.
- 5.SIGNS SHALL BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 6' ABOVE GROUND EXCEPT AS OTHERWISE SHOWN ON OTHER TRAFFIC HANDLING DETAILS PLANS.

ABBREVIATION

(CA) CALIFORNIA CODE



SIGN SP-6 (SEE NOTE 1)

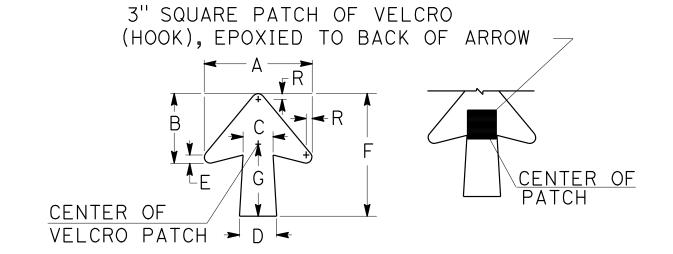
SIGN SP-7 (SEE NOTE 1)

NOTES: (SIGNS SP-6 & SP-7)

1.IN LIEU OF PLACING SIGNS ON TYPE III BARRICADES, SIGNS, INCLUDING POSTS, MAY BE PLACED INTO THE GROUND OR FASTENED ONTO ELECTROLIERS. 2.USE APPROPRIATE ROUTE SHIELD [G26-2(CA), G27-2(CA),

G28-2(CA)] AND CARDINAL DIRECTION [NORTH (M3-1), SOUTH (M3-3), EAST (M3-2), WEST (M3-4)]

SPECIAL PORTABLE FREEWAY DETOUR SIGNS



USERNAME => s122436

DGN FILE => 0700020255me002.dgn

			DIME	ENSIONS			
А	В	С	D	E	F	G	R
111/4"	71/4"	31/8"	4''	7/8''	13''	71/2"	5/8''

SPECIAL PORTABLE FREEWAY DETOUR SIGN

ADJUSTABLE ARROW DETAIL

TRAFFIC HANDLING DETAILS TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURES, DETOUR SIGNS AND MISCELLANEOUS DETAILS SHEET 2 OF 2 NO SCALE

THD-2

POST MILES SHEET TOTAL TOTAL PROJECT No. SHEETS

DUKE HUYNH

No. 65591

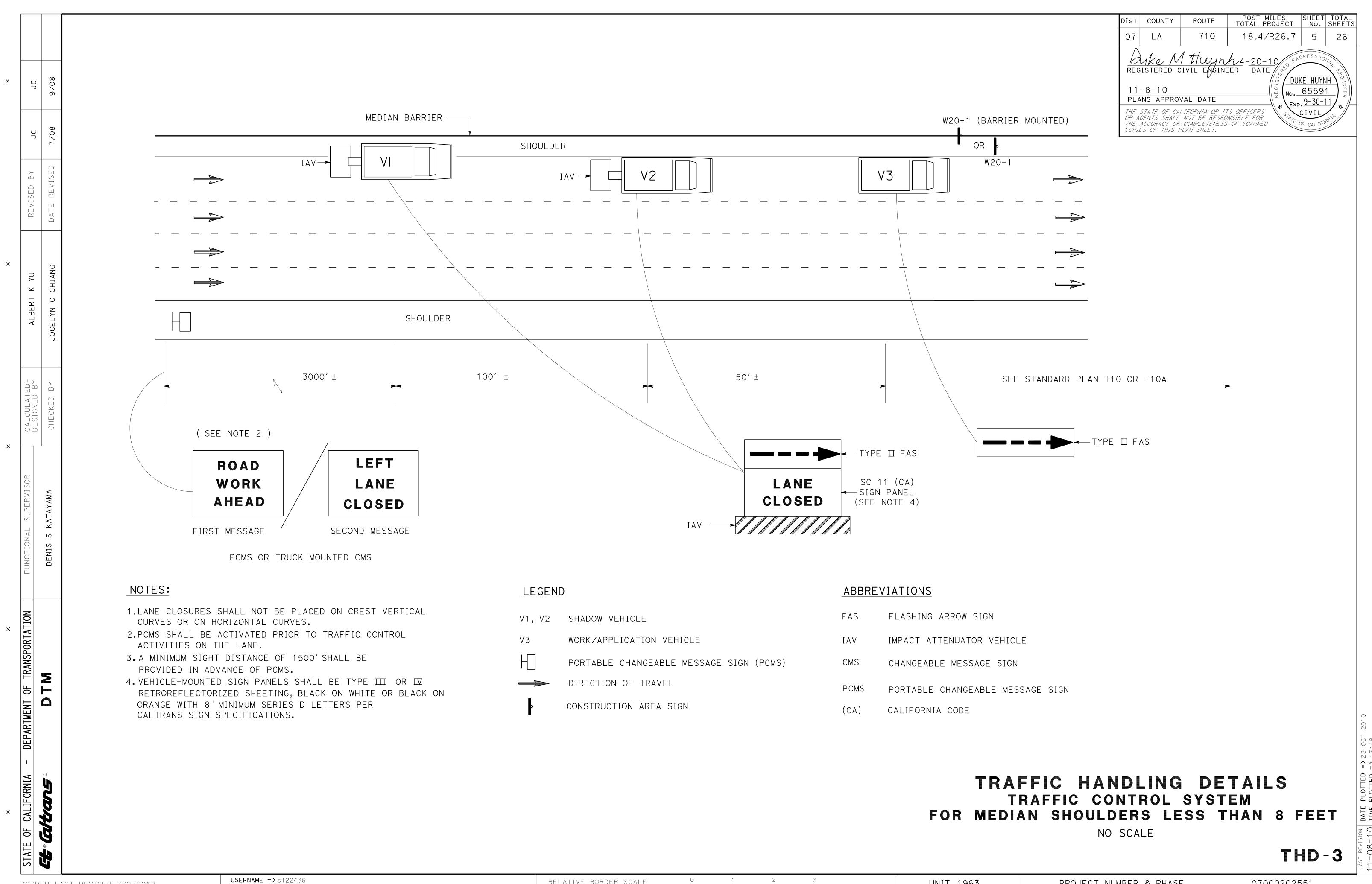
Exp. 9-30-11

18.4/R26.7 4

Dist | COUNTY

LΑ

RELATIVE BORDER SCALE IS IN INCHES PROJECT NUMBER & PHASE 07000202551 UNIT 1963



BORDER LAST REVISED 7/2/2010

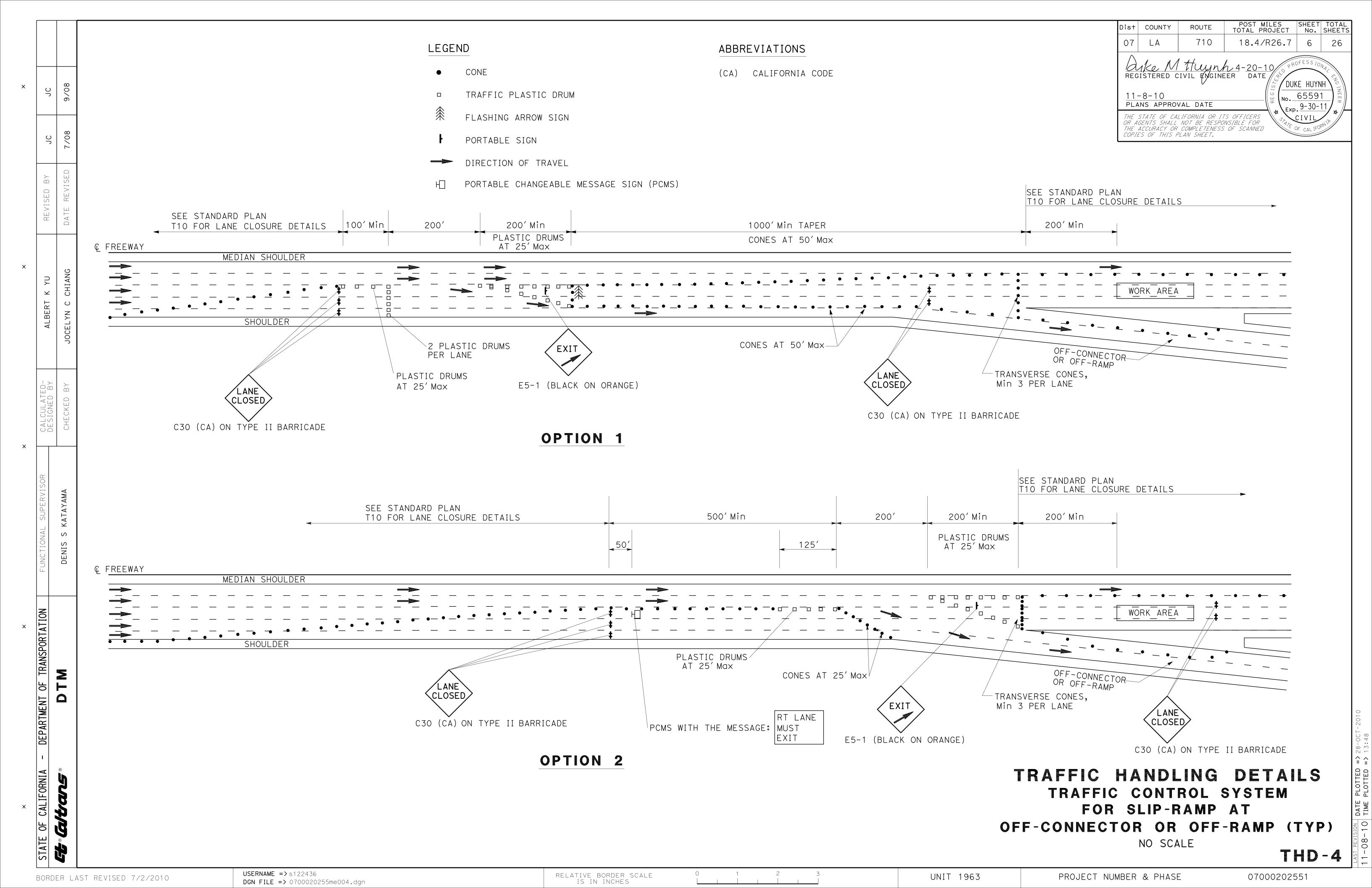
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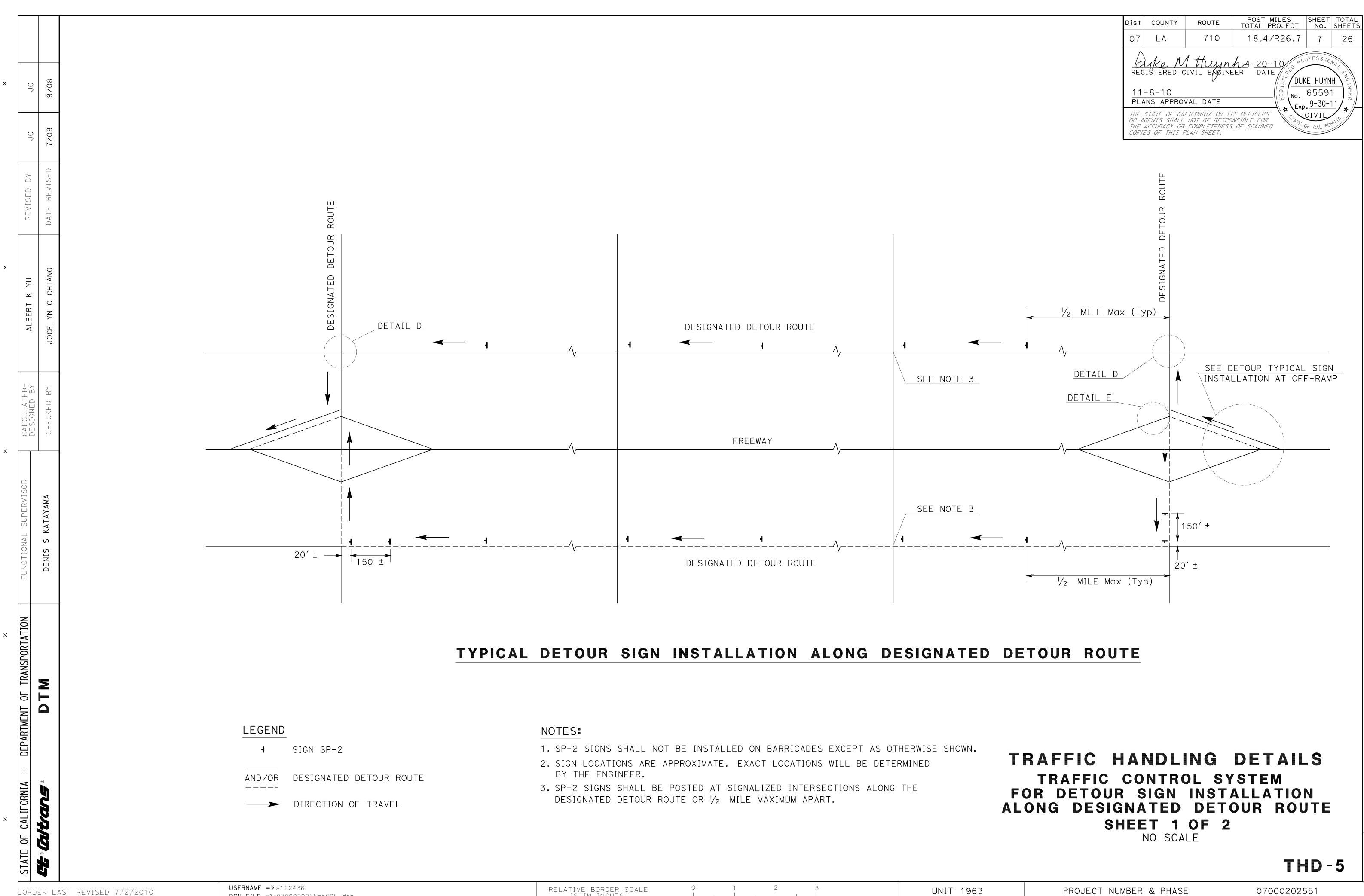
UNIT 1963

PROJECT NUMBER & PHASE

07000202551

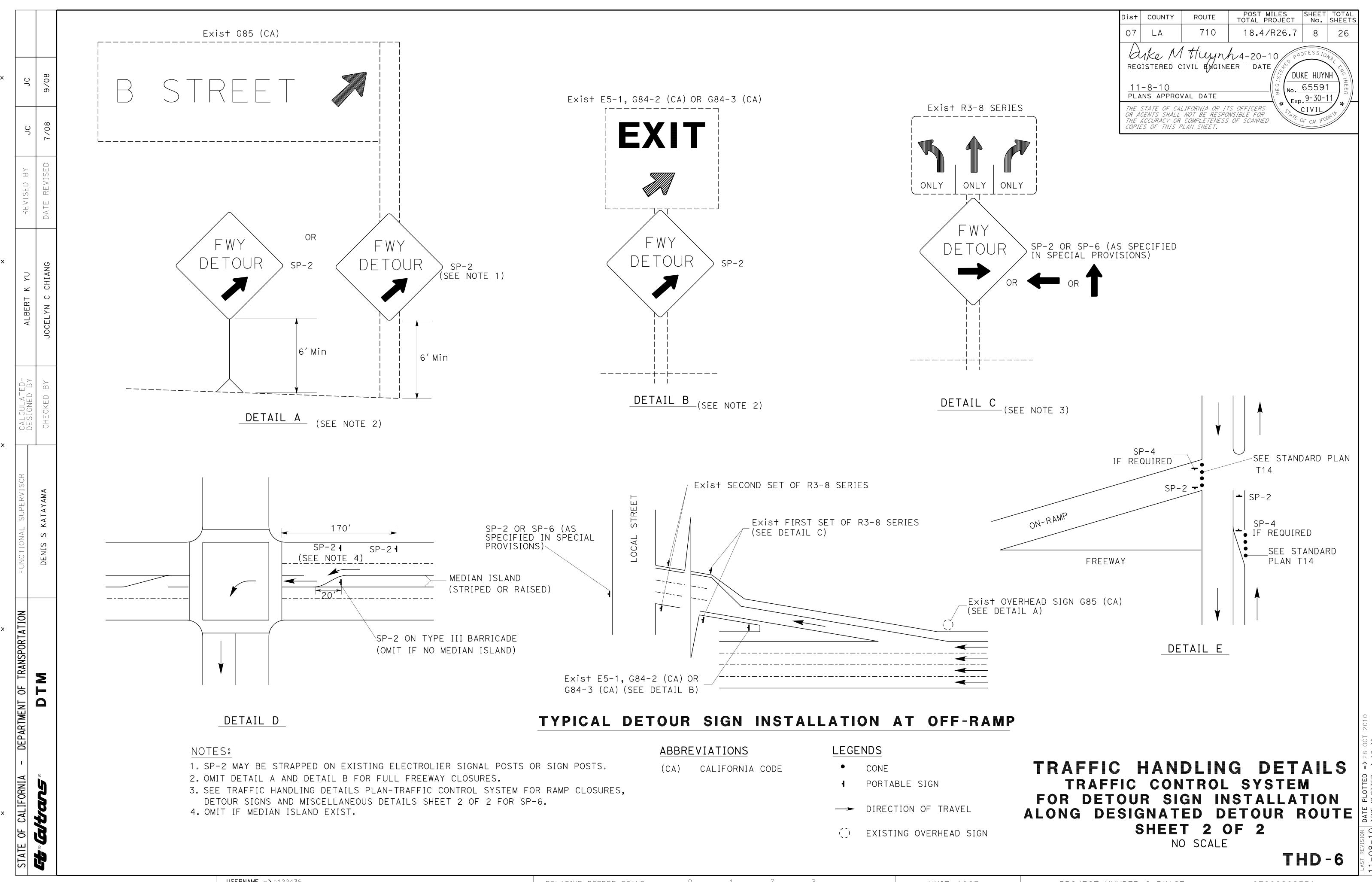
RELATIVE BORDER SCALE IS IN INCHES





RELATIVE BORDER SCALE IS IN INCHES UNIT 1963 BORDER LAST REVISED 7/2/2010 **DGN FILE =>** 0700020255me005.dgn

07000202551



BORDER LAST REVISED 7/2/2010

USERNAME => \$122436 **DGN FILE =>** 0700020255me006.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 1963

PROJECT NUMBER & PHASE

07000202551

NOTE:

LEGEND:

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS	
07	LA	710	18.4/R26.7	9 26	
11-	ISTERED CI	VIE ENGINE	No.	INCENT PANG 69963 9-30-12	
THE		NOT BE RESPOI COMPLETENESS	VSIBLE FOR	OF CALIFORNIA	

48'-0" 8'-0" 16'-0" 8'-0" 8'-0" 8'-0" 4'-0" 4'-0" Тур Тур TYPE G MARKER---TYPE A MARKER-TYPE A MARKER \Rightarrow

NOTE:

4" WHITE STRIPE $^{-1}$

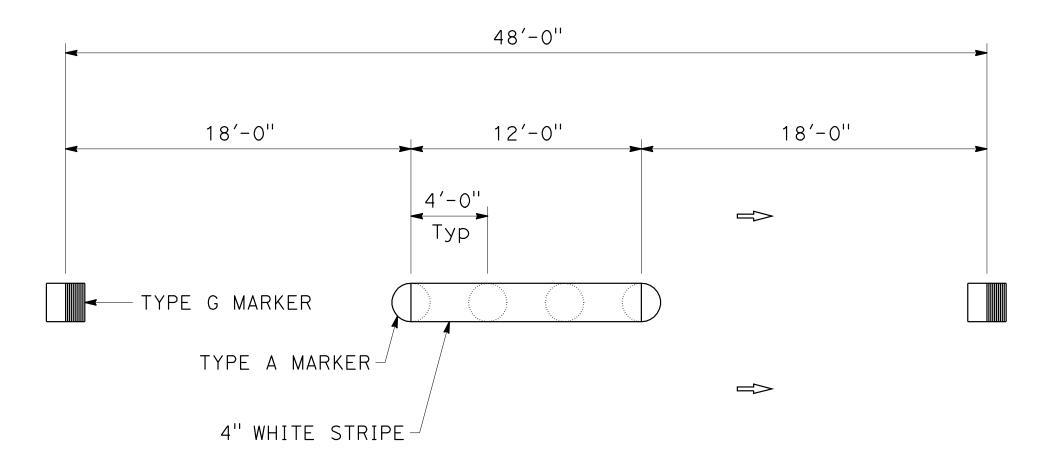
1. SEE PAVEMENT DELINEATION QUANTITIES FOR LOCATION AND TYPES OF TRAFFIC STRIPES AND PAVEMENT

MARKINGS TO BE PLACED.

DIRECTION OF TRAVEL

1. APPY 4" WIDE THERMOPLASTIC STRIPE ON TOP OF TYPE A MARKERS.

DETAIL 10 (MODIFIED)



NOTE:

1. APPLY A 4" WIDE THERMOPLASTIC STRIPE ON TOP OF TYPE A MARKERS.

DETAIL 13 (MODIFIED)

PAVEMENT DELINEATION DETAILS

NO SCALE

PDD-1

USERNAME => s122436 BORDER LAST REVISED 7/2/2010 DGN FILE => 0700020255nb001.dgn

RELATIVE BORDER SCALE IS IN INCHES

└ 4" WHITE STRIPE

UNIT 1963

PROJECT NUMBER & PHASE

07000202551

RNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR		VINCENT PANG	REVISED BY	
		T DESIGNED BY)]) -	
MAINTENANCE ENGINEERING	LARRY WIERING	CHECKED BY	LARRY WIERING	DATE REVISED	

-UNCTIONAL SUPERVISOR	CALCULATED-	VINCENT PANG	REVISED BY	
	DESIGNED BY			
LARRY WIERING	CHECKED BY	LARRY WIERING	DATE REVISED	

		ED	
RFVISFD BY		DATE REVISED	
VINCENT PANG		LARRY WIERING	
CALCULATED-	DESIGNED BY	CHECKED BY	
FUNCTIONAL SUPERVISOR		LARRY WIERING	

REVISED BY		DATE REVISED	
VINCENT PANG		LARRY WIERING	
CALCULATED- DESIGNED BY		CHECKED BY	
FUNCTIONAL SUPERVISOR		LARRY WIERING	

: TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-	VINCENT PANG	REVISED BY	
		DESIGNED BY			
ENGINEERING	LARRY WIERING	CHECKED BY	LARRY WIERING	DATE REVISED	

	_	/EME UANT		S	
DIRECTION	LOCATION	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE THERMOPLASTIC PAVEMENT MARKING	REMOVE PAVEMENT MARKER
		L	.F	SQFT	EA
	FIRESTONE BIVD OC	1145	458	42	148
EB/WB	FLORENCE Ave OC	149	446		90
	GAGE Ave OC	89	268		58
	ATLANTIC BIVD UC	506	253		115
	ATLANTIC BIVD UC, NB ON-RAMP	400		2	2
NB	ROUTE 710/5 SEPARATION (EAST)	290	100		57
	WASHINGTON BIVd UC	1026	684		162
	N710-E&W 10 CONNECTOR OC	2923	1278	489	62
	CHELI DEPOT OH (RAMP)	139	111		19
SB	ATLANTIC BIVD UC	443	253		89
	WASHINGTON BIVD UC	147	100		54
	SUBTOTAL	7257	3951	533	856
	TOTAL	7257	3951	533	856

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	710	18.4/R26.7	10	26
11-	Acent 3 f and 1 street of 10 and 10 a	VAL DATE	EER DATE No.	INCENT PANG 69963 9-30-	12/CINEER
OR A THE .	GENTS SHALL	LIFORNIA OR IT NOT BE RESPO COMPLETENESS PLAN SHEET.	TO OFFICERS \\ \r \	CIVIL OF CAL IFO	/ ~ //

	PAVEMENT MARK	ING	QUAI	NTITI	ES	
			THE	RMOPLA	STIC	
DIRECTION	LOCATION	TYPE IV ARROW (L) OR (R)	TYPE VII ARROW (L) OR (R)	CHEVRONS	DIAGONALS (WHITE)	DIAGONALS (YELLOW)
		SQFT	SQFT	SQFT	SQFT	SQFT
EB/WB	FIRESTONE BIVD OC	15	27			
NID	ATLANTIC BIVO UC, NB ON-RAMP					2
NB	N710-E&W 10 CONNECTOR OC			124	365	
	SUBTOTAL	15	27	124	365	2
	TOTAL			533		

PAVEMENT DELINEATION QUANTITIES

PDQ-1

	PAVEMENT DELINEATION QUANTITIES																								
THERMOPLASTIC TRAFFIC STRIPE									PAVEMENT MARKERS																
		DETAIL											(NO REFLE	ON- CTIVE)				(R	ETRORE	FLECTI	VE)				
DIRECTION		9	10 (Mod)	13 (Mod)	22	25	27	27B	36	38	38A	38B	37						DE.	TAIL					
				_										10 (Mod)	13 (Mod)	37	22	9	10 (Mod)	13 (Mod)	36	38	38B	25	27
	LOCATION	4" WHITE (BROKEN 17-7)	4" WHITE (BROKEN 16-8)	4" WHITE (BROKEN 36-12)	4" SOLID DOUBLE YELLOW	SOLID	SOLID BLE YELLOW	SOLID TE	SOLID TE	SOLID	SOLID	SOLID	8" WHITE (BROKEN 12-3)		4	E C	E D			ر ا	ם				
		4" v (BR(4" V (BR(4" V (BR(4" s	4" g YEL	4" SOL] DOUBLE	4" SOL WHITE	8" SOL WHITE	8" SOL WHITE	8" SOL WHITE	8" SOL WHITE	8" V (BR() }	— — —	ТҮРЕ	ТҮР			\ \ 	<u>_</u>) 	L - -
							L	.F											E	EΑ					
	FIRESTONE BIVD OC		687		458						229	229		87			22		17				22		
EB/WB	FLORENCE Ave OC		446		446									57			22		11						
	GAGE Ave OC		268		268									36			14		8						
	ATLANTIC BIVD UC			1012		253		253							84					25				6	
	ATLANTIC BIVD UC, NB ON-RAMP						328			200												1			1
NB	ROUTE 710/5 SEPARATION (EAST)			400		100			95						36					12	6			3	
	WASHINGTON BIVD UC			1368		684		684							116					31				15	
	N710-E&W 10 CONNECTOR OC					1278		1439	742												33			29	
	CHELI DEPOT OH (RAMP)			111		111		111							12					3				4	
SB	ATLANTIC BIVD UC			759		253		253							64					19				6	
	WASHINGTON BIVD UC	108		300		100							100		28	10		4		9				3	
	SUBTOTAL	108	1401	3950	1172	2779	328	2740	837	200	229	229	100	180	340	10	58	4	36	99	39	1	22	66	1
	TOTAL	108	1401	3950		70	19			14	195		100	52	20					33	36				

PAVEMENT DELINEATION QUANTITIES

PDQ-2

BORDER LAST REVISED 7/2/2010

CALIFORNIA

USERNAME => s122436 DGN FILE => 0700020255nc002.dgn

RELATIVE BORDER SCALE IS IN INCHES

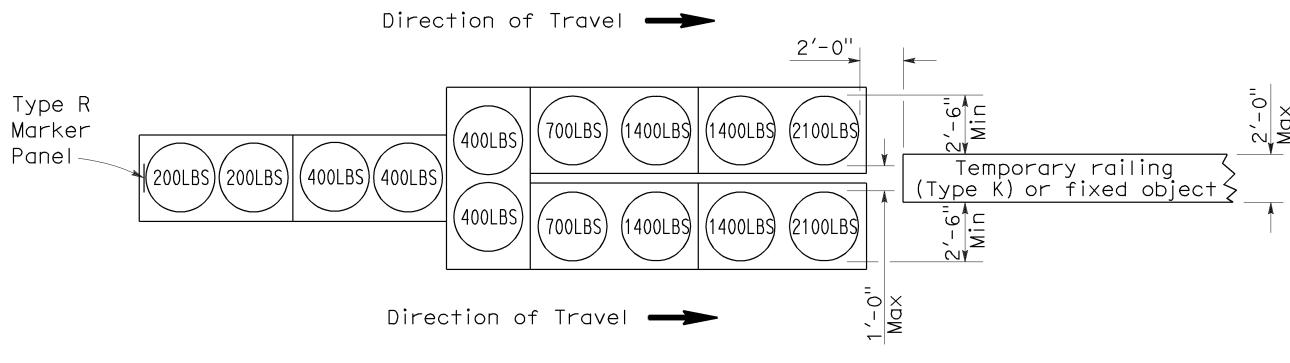
UNIT 1963

07000202551

PROJECT NUMBER & PHASE

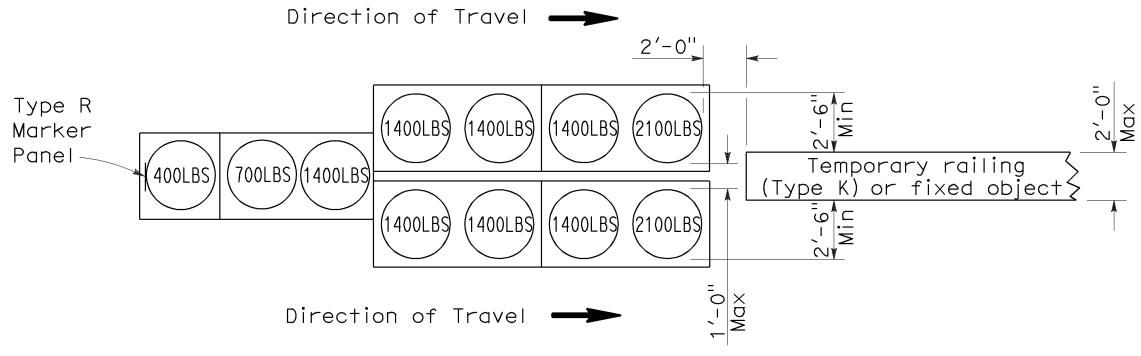
POST MILES Total project

ROUTE



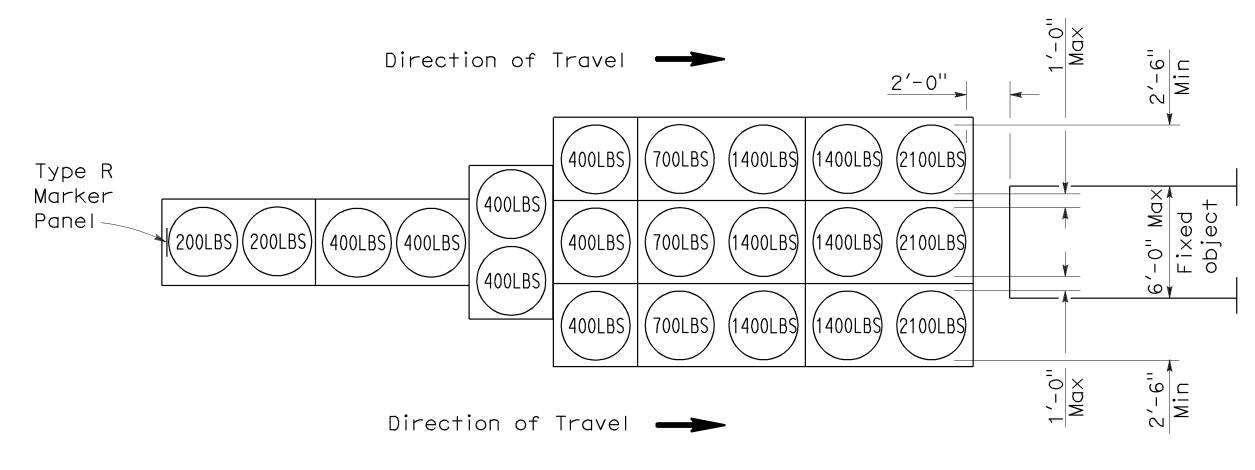
ARRAY 'TU14'

Approach speed 45 mph or more



ARRAY 'TU11

Approach speed less than 45 mph



`TU21′ ARRAY

Approach speed 45 mph or more

Module Module, Dia Dia PLAN - Modules

Type R

Marker

400LBS)|(700LBS)(1400LBS)|

Panel

Direction of Travel ---

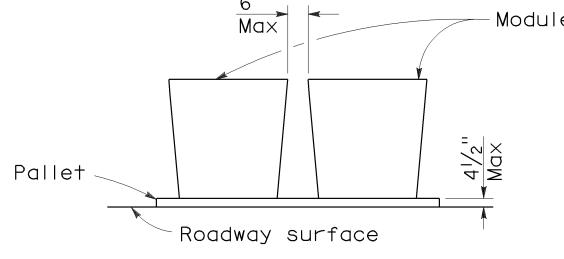
1400LBS

1400LBS)

Direction of Travel -

ARRAY 'TU17'

Approach speed less than 45 mph



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1,-0" MQX

2'-0"

(1400LBS) | (1400LBS) (2100LBS

(1400LBS) | (1400LBS) (2100LBS)

(1400LB\$)|(1400LB\$) (2100LB\$)

- Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
- 2. All sand weights are nominal.
- 3. Temporary crash cushion arrays shall not encroach on the traveled way.
- 4. Place the top of Type R marker panel 1" below the module lid.
- 5. Refer to Standard Plan A73B for marker details.
- 6. Approach speeds indicated conform to NCHRP 350 Report criteria.
- 7. Use of pallets is optional.

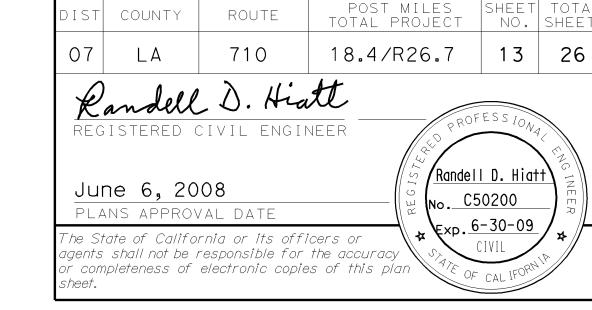
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (UNIDIRECTIONAL)

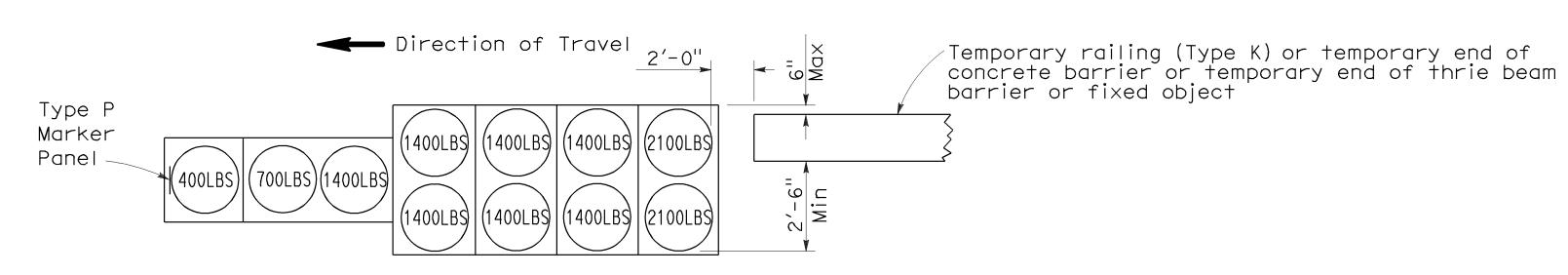
NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1A



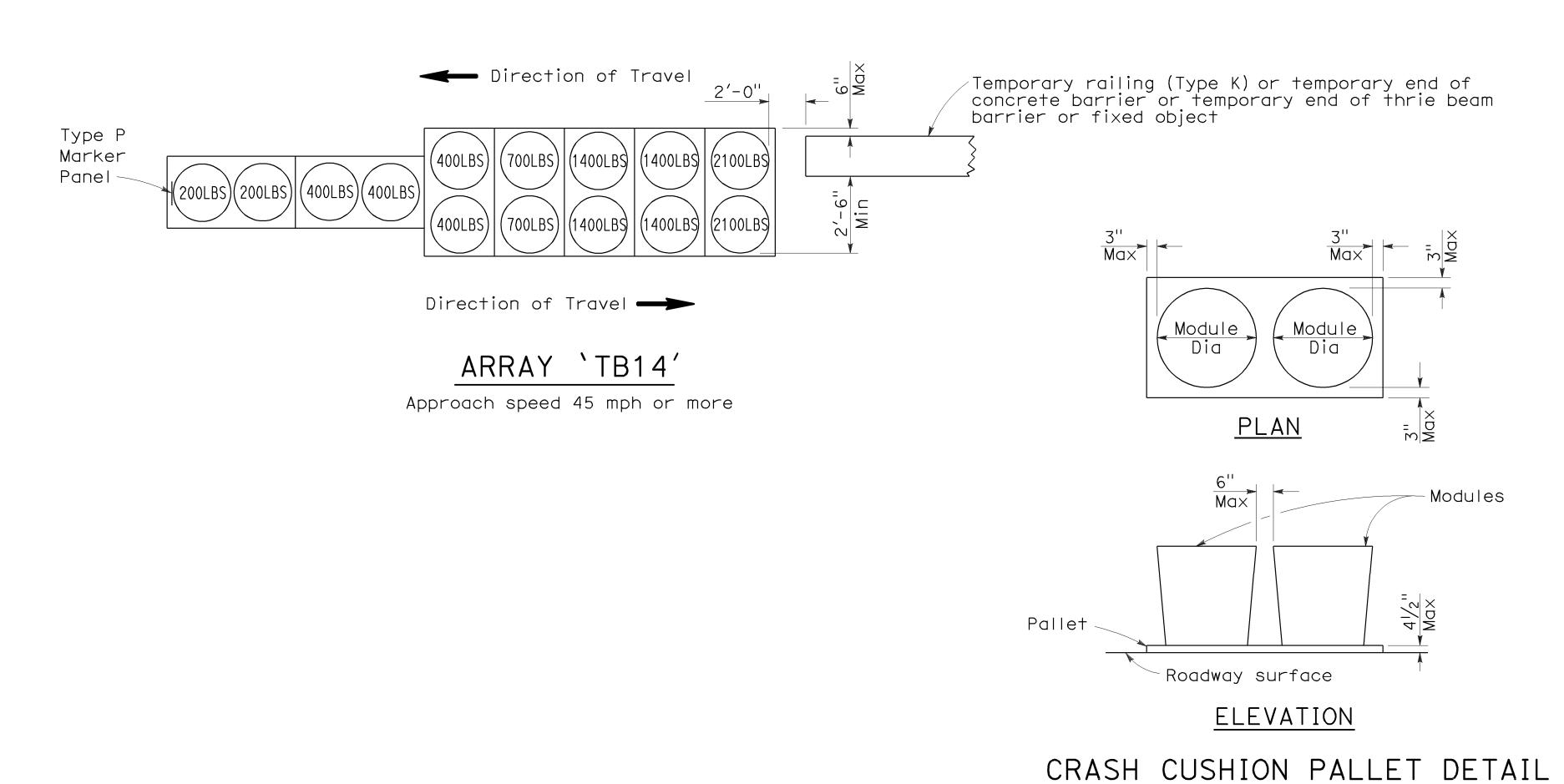
To accompany plans dated _____11-8-10



Direction of Travel —

ARRAY 'TB11'

Approach speed less than 45 mph



See Note 7

NOTES:

- (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
- 2. All sand weights are nominal.
- 3. Temporary crash cushion arrays shall not encroach on the traveled way.
- 4. Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
- 5. Refer to Standard Plan A73B for marker details.
- 6. Approach speeds indicated conform to NCHRP 350 Report criteria.
- 7. Use of pallets is optional.

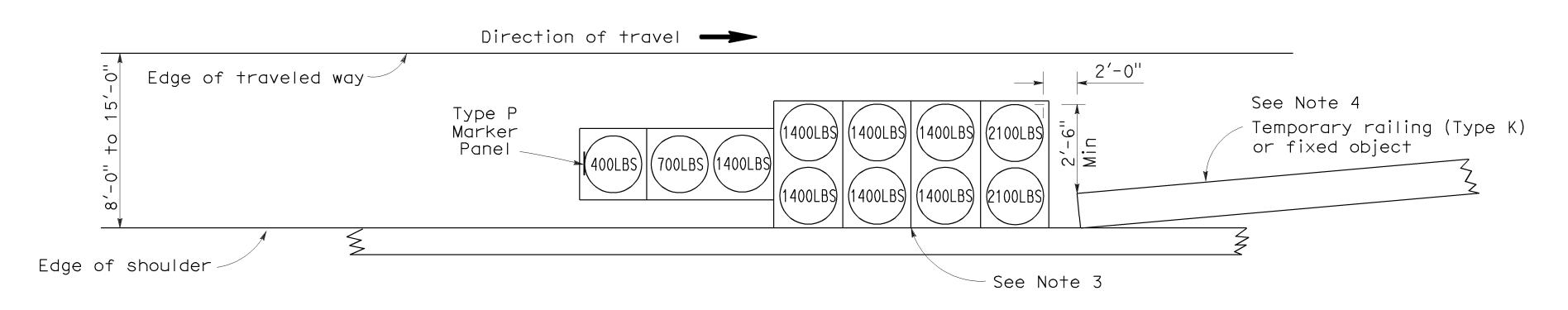
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (BIDIRECTIONAL)

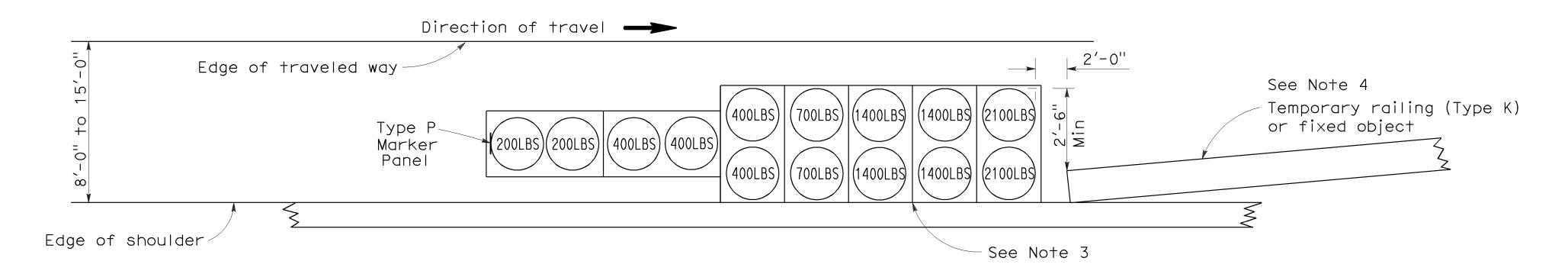
NO SCALE

RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1B

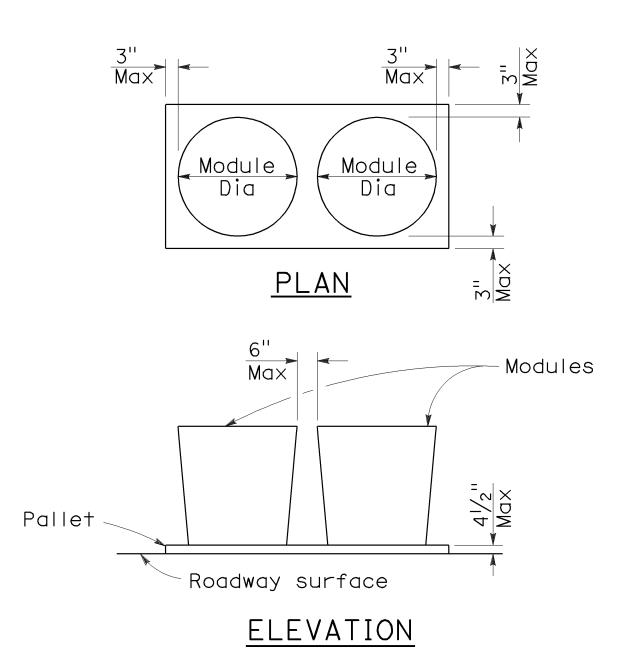


ARRAY 'TS11' Approach speed less than 45 mph See Note 9



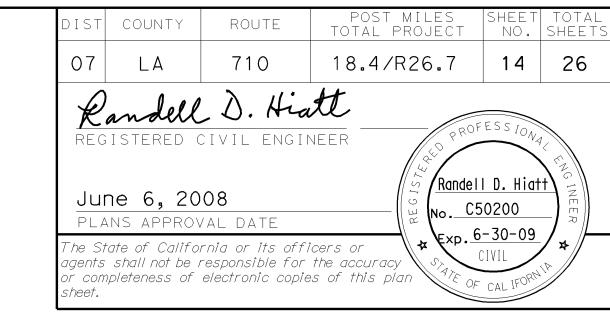
<u>ARRAY 'TS14'</u>

Approach speed 45 mph or more See Note 9



CRASH CUSHION PALLET DETAIL

See Note 11



To accompany plans dated _____11-8-10

NOTES:

- 1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
- 2. All sand weights are nominal.
- 3. The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
- 4. If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
- 5. Temporary crash cushion arrays shall not encroach on the traveled way.
- 6. Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
- 7. Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
- 8. Refer to Standard Plan A73B for marker details.
- 9. For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
- 10. Approach speeds indicated conform to NCHRP 350 Report criteria.
- 11. Use of pallets is optional.

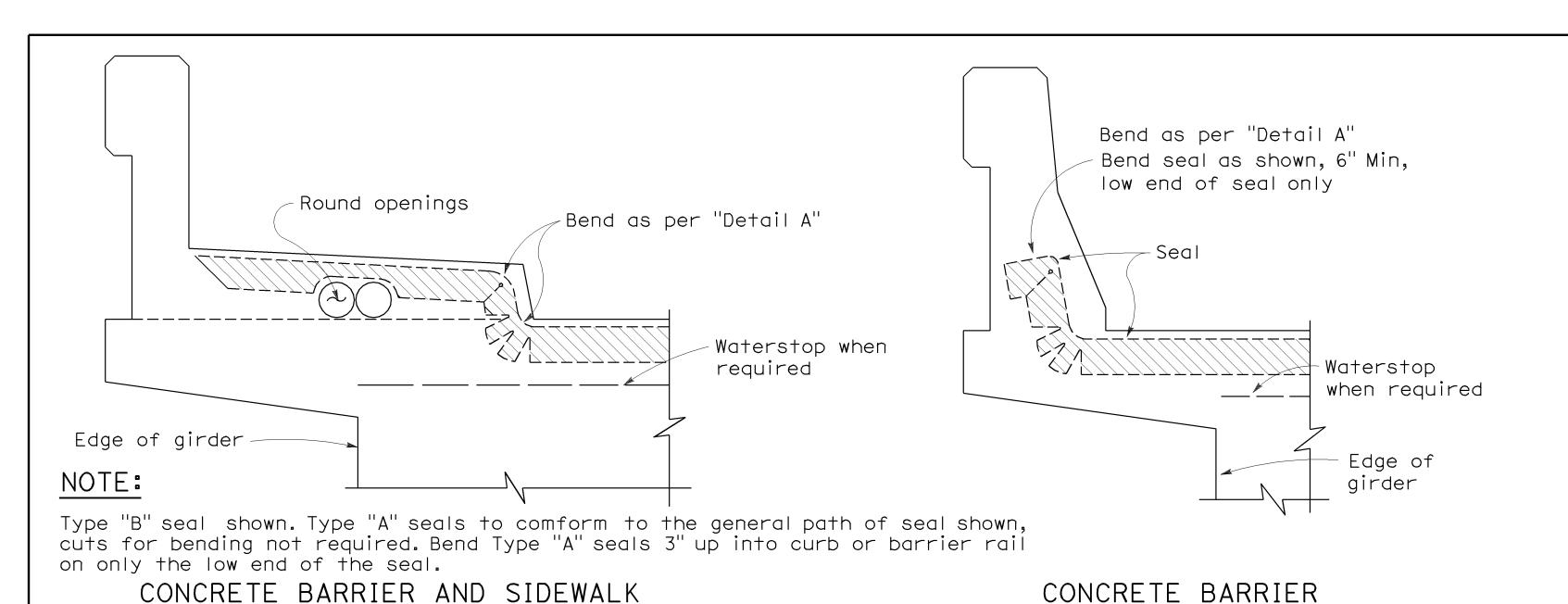
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

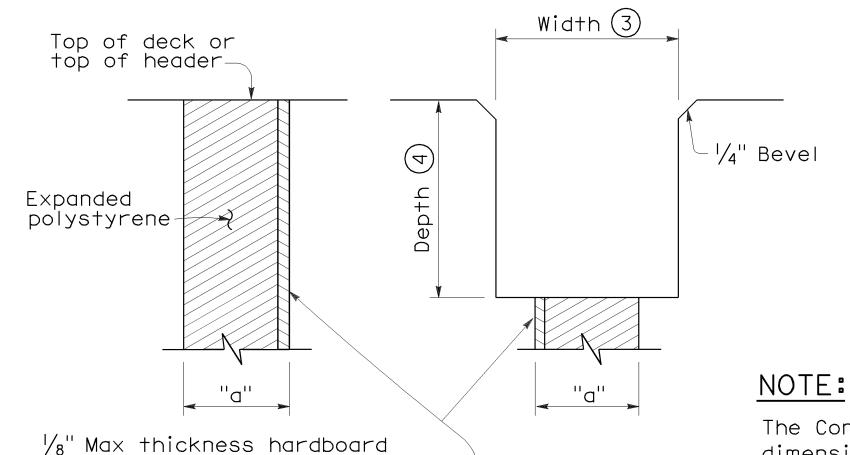
TEMPORARY CRASH CUSHION, SAND FILLED (SHOULDER INSTALLATIONS)

NO SCALE

RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2





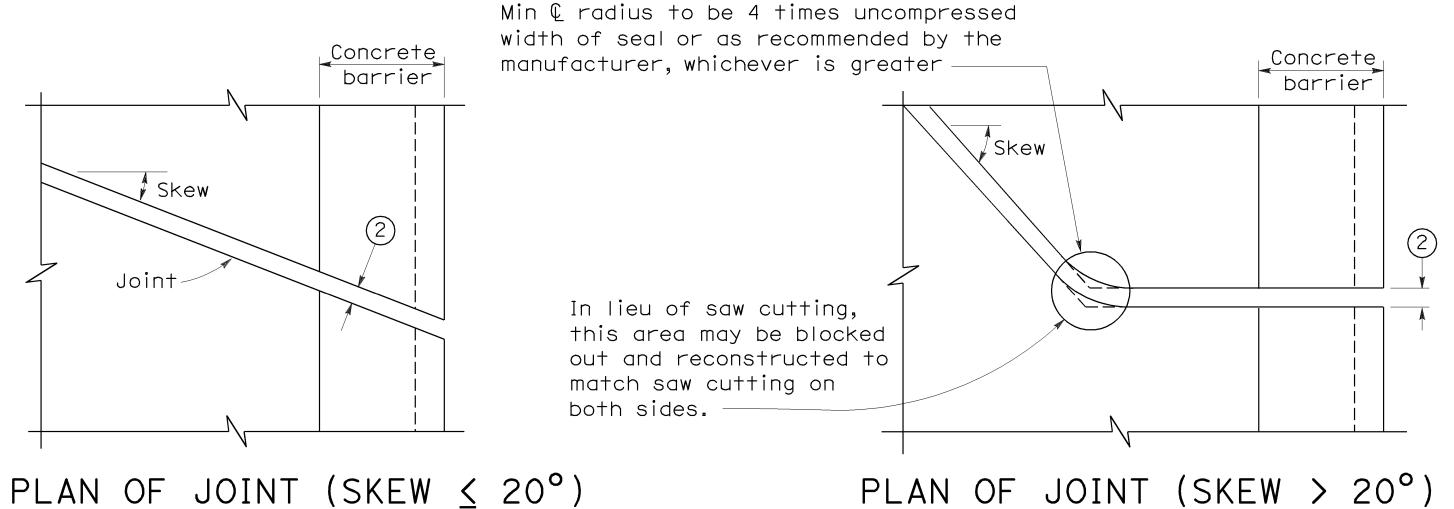
POST MILES Total project 15 26 07 LΑ 18.4/R26.7 CIVIL ENGINEER Efthymios October 5, 2007 <u>C51434</u> PLANS APPROVAL DATE 6-30-08

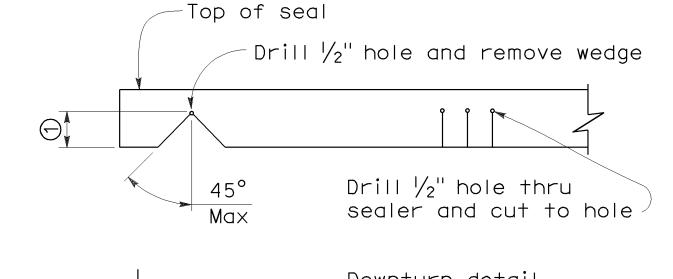
To accompany plans dated _____11-8-10

The Contractor shall verify all controlling field dimensions before ordering or fabricatiing any material.

FORMING DETAIL SAWCUT DETAIL

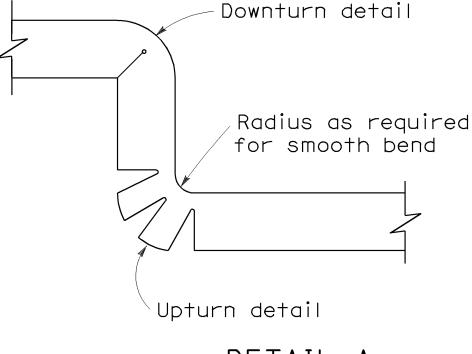
JOINT SEALS DETAILS





side, or sides

protection on concrete placement



Movement Rating ≤ 2"

PLAN OF JOINT (SKEW > 20°) DETAIL A $\frac{1}{2}$ " (MR ≤ 1 ") $\frac{3}{4}$ " (MR > 1") Sea $\frac{1}{8}$ " Fillet (lubricant adhesive)-

NOTES:

- (1) Make smooth cuts from the bottom of seal to $1\frac{1}{2}$ " clear of top leaving at least one complete cell between the top of the cut and top of the seal. When necessary cut back of seal to clear conduit and round openings.
- Opening in barrier to match width of sawn deck joint.
- Sawcut groove widths shall be as ordered by the Engineer.
- (4) Depth of sawcut: Type A Depth to be 2" minimum. Type B - Depth to be equal to or greater than the depth of seal measured along the contact surface, when compressed to minimum width position (W_2) plus dimensions shown.
- MR (movement rating) as shown on other plan sheets.
- (6) Other depths must be approved by the Engineer.

DIMENSIONS "a" OF JOINT REQUIRED

Movement Rating		sion						
(MR)	Bridge	Deck Concrete Placed						
(5)	Туре	Winter	Fall- Spring	Summer				
2"	All except CIP/PS	11/2"	1 1/4"	3/4''				
_	CIP/PS	1 1/4"	1"	1/2"				
11/2"	All except CIP/PS	1 1/4"	1''	1/2"				
1/2	CIP/PS	1"	3/4"	1/2"				
1''	All except CIP/PS	1"	3/4"	1/2"				
1	CIP/PS	3/4''	1/2"	1/2"				
1/2"	All except CIP/PS	3/4"	3/4"	1/2"				
/ 2	CIP/PS	1/2"	1/2"	1/2"				

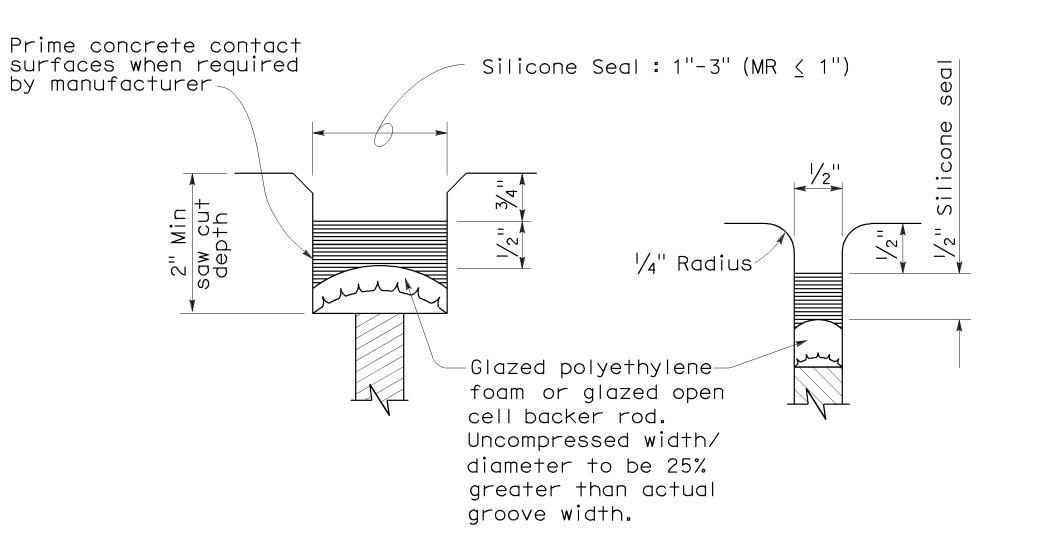
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")

NO SCALE

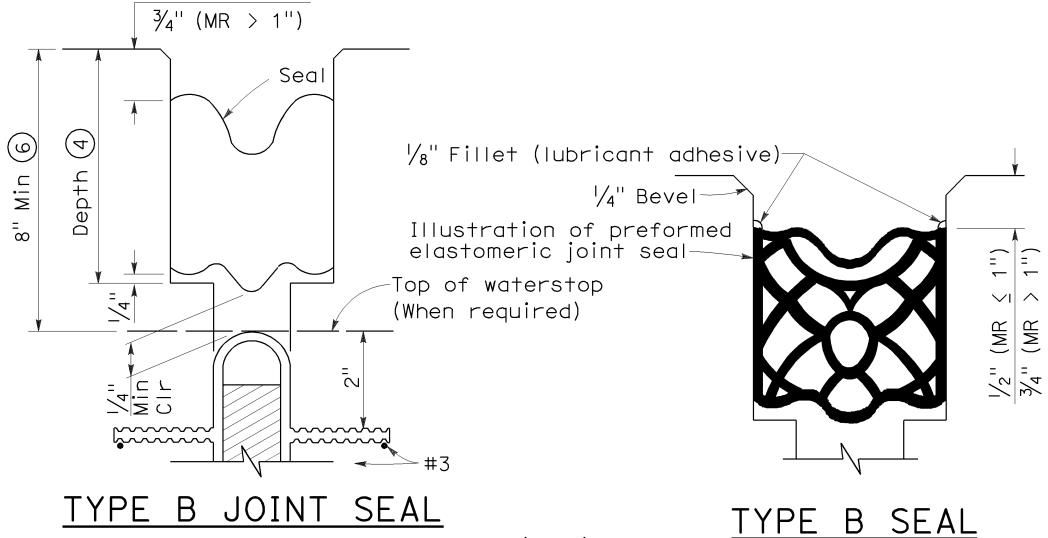
RSP B6-21 DATED OCTOBER 5, 2007 SUPERSEDES STANDARD PLAN B6-21 DATED MAY 1, 2006 - PAGE 258 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP B6-21



TYPE A SEAL Movement rating : Silicone = 1" Max

TYPE AL SEAL Longitudinal joints only



TYPE B JOINT SEAL IN MINIMUM WIDTH POSITION (W2)

INDEX TO PLANS

HEET NO.	TITLE
1	GENERAL PLAN NO. 1
2	GENERAL PLAN NO. 2
3	GENERAL PLAN NO. 3
4	GENERAL PLAN NO. 4
5	GENERAL PLAN NO. 5
6	GENERAL PLAN NO.6
7	GENERAL PLAN NO. 7
8	GENERAL PLAN NO. 8
9	GENERAL PLAN NO. 9
10	MISCELLANEOUS DETAILS NO. 1
11	MISCELLANEOUS DETAILS NO. 2

STANDARD PLANS DATED MAY 2006

SHEET NO	<u>TITLE</u>
A10A A10B A10C A10D	ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2) ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2) SYMBOLS (SHEET 1 OF 2) SYMBOLS (SHEET 2 OF 2)
RSP B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")
	STANDARD PLAN SHEET NO.
	DETAIL NO.

LEGEND:

_----

Indicates existing.

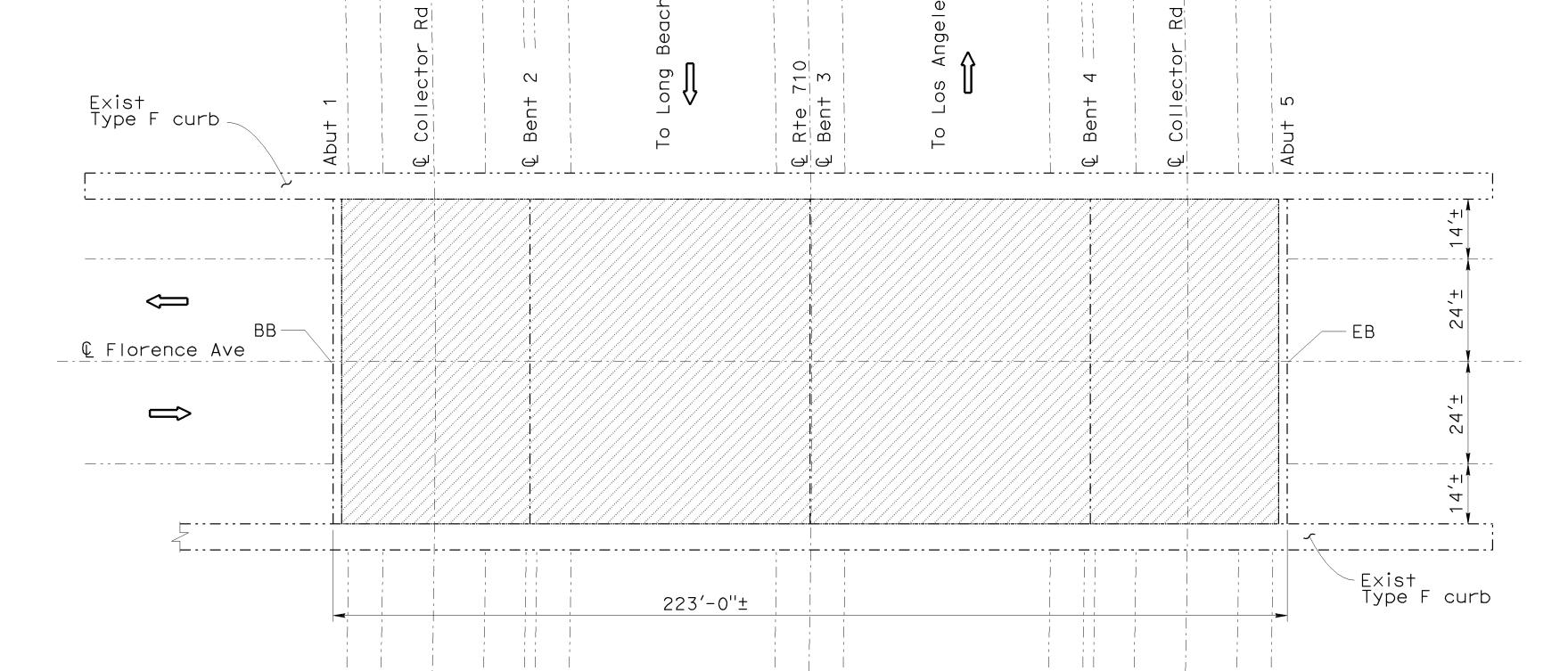
Indicates direction of traffic.

Indicates limits of clean and treat existing bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.

POST MILES TOTAL PROJECT 18.4/R26.7 REGISTERED CIVIL ENGINEER DATE 11-8-10

C65380 PLANS APPROVAL DATE Exp. 09/30/11 The State of California or its officers or agents shall not be responsible for the accuracy or

completeness of electronic copies of this plan sheet



FLORENCE AVENUE OC

Br No. 53-0834, Rte 710, PM 19.73 1" = 20'



ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

FLORENCE AVENUE OC

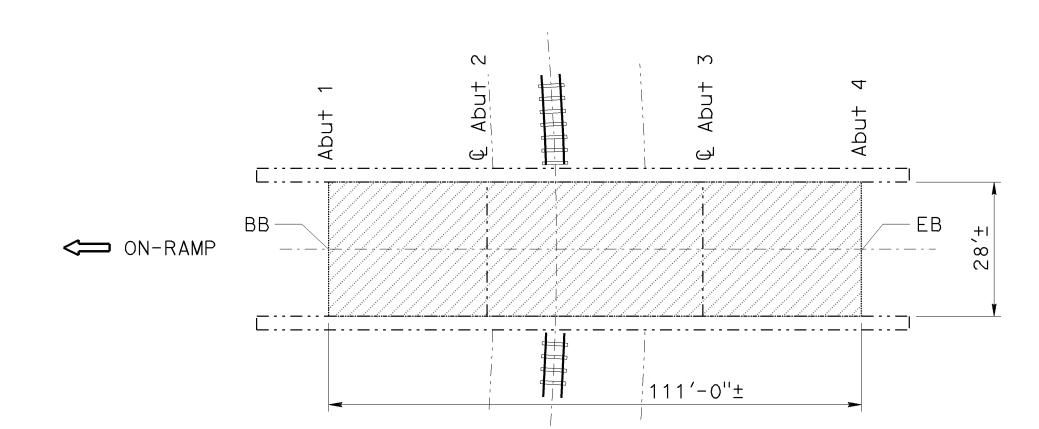
PUBLIC SAFETY PLAN

BRIDGE NO. 53-0834

QUANTITIES REMOVE UNSOUND CONCRETE CLEAN BRIDGE DECK RAPID SETTING CONCRETE (PATCH) TREAT BRIDGE DECK FURNISH BRIDGE DECK TREATMENT MATERIAL

17,000 SQFT 43 CF 17,000 SQFT 213 GAL

LUMP SUM



CHELI DEPOT OH (RAMP)

Br No. 53-0839K, Rte 710, PM 21.79 1" = 20'



CHELI DEPOT OH (RAMP)

BRIDGE NO. 53-0839K

QUANTITIES REMOVE UNSOUND CONCRETE CLEAN BRIDGE DECK RAPID SETTING CONCRETE (PATCH) TREAT BRIDGE DECK FURNISH BRIDGE DECK TREATMENT MATERIAL PUBLIC SAFETY PLAN

DISREGARD PRINTS BEARING EARLIER REVISION DATES

3,110 SQFT 8 CF 3,110 SQFT 39 GAL LUMP SUM

THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

DESIGN ENGINEER

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)

LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD HongTien Tran Gerald Joo LAYOUT DETAILS Tom Dang Tom Dang Gerald Joo Gerald Joo PLANS AND SPECS
Jennifer Ramirez SPECIFICATIONS QUANTITIES Jennifer Ramirez Gerald Joo HongTien Tran

STATE OF **CALIFORNIA** DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN

POST MILE

BRIDGE NO. ROUTE 710 BRIDGES Various GENERAL PLAN NO. 1 Varies

FILE => 07-4y1701-a-gp01.dgn

CU 07

EA 4Y1701

ATLANTIC BLVD UC BRIDGE NO. 53-1009 QUANTITIES REMOVE UNSOUND CONCRETE 45 CF CLEAN BRIDGE DECK
RAPID SETTING CONCRETE (PATCH)
TREAT BRIDGE DECK
FURNISH BRIDGE DECK TREATMENT MATERIAL 17,450 SQFT 45 CF 17,450 SQFT 220 GAL PUBLIC SAFETY PLAN LUMP SUM 152'-9"± Measured along © Rte 710 ATLANTIC BLVD UC Br No. 53-1009, Rte 710, PM 21.92 1" = 20'

THE CONTRACTOR SHALL VERIFY ALL

CONTROLLING FIELD DIMENSIONS

LEGEND:

Indicates existing.

Indicates direction of traffic.

Indicates limits of clean and treat existing bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.

POST MILES TOTAL PROJECT 18.4/R26.7 REGISTERED CIVIL ENGINEER DATE 11-8-10 C65380 PLANS APPROVAL DATE Exp. 09/30/11 The State of California or its officers or agents`

BRIDGE NO. 53-0875S

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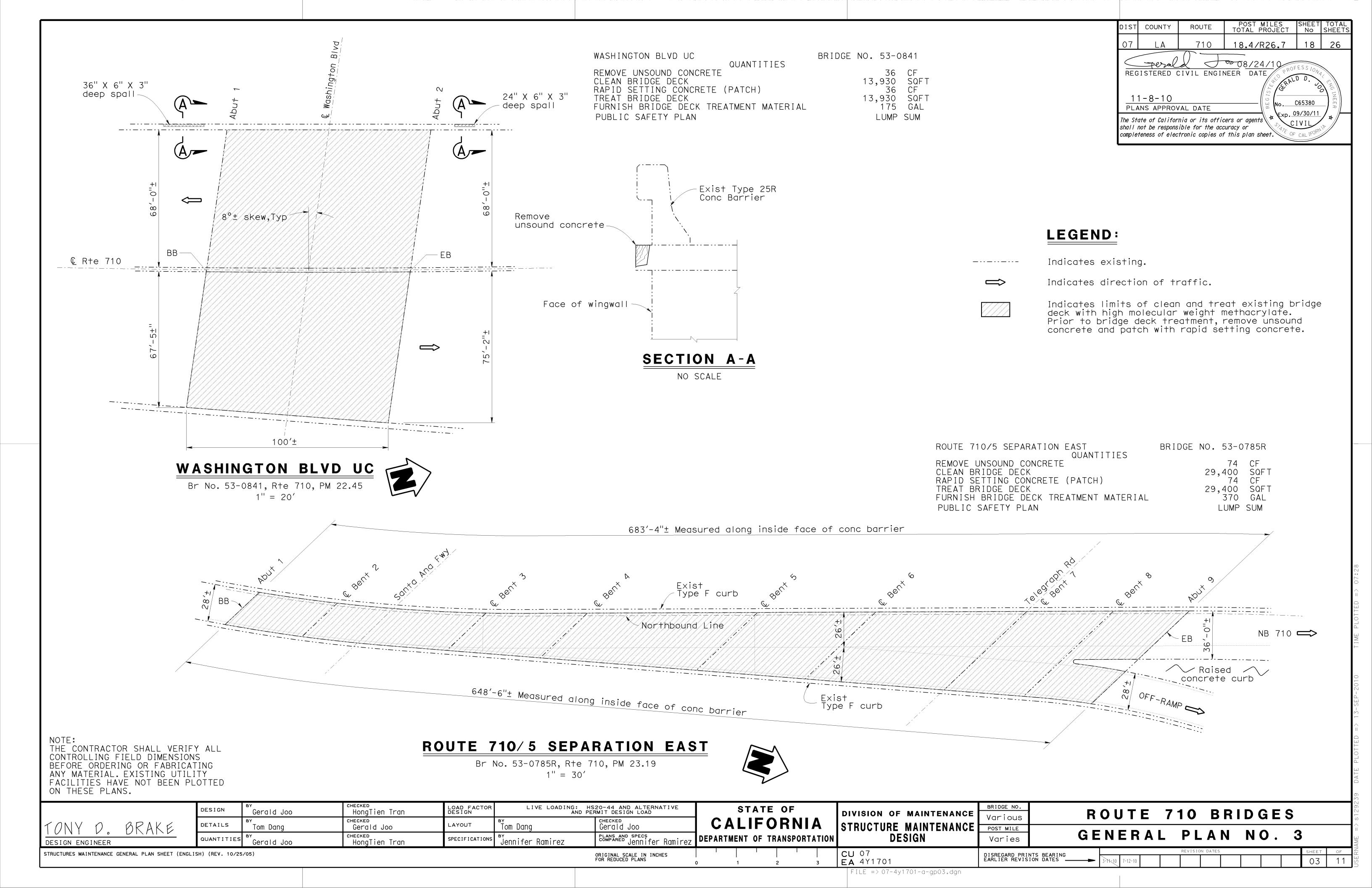
QUANTITIES REMOVE UNSOUND CONCRETE
CLEAN BRIDGE DECK
RAPID SETTING CONCRETE (PATCH)
TREAT BRIDGE DECK 14 CF 5,410 SQFT 14 CF 5,410 SQFT FURNISH BRIDGE DECK TREATMENT MATERIAL 68 GAL PUBLIC SAFETY PLAN LUMP SUM 164'-0"± Measured along inside face of conc bar

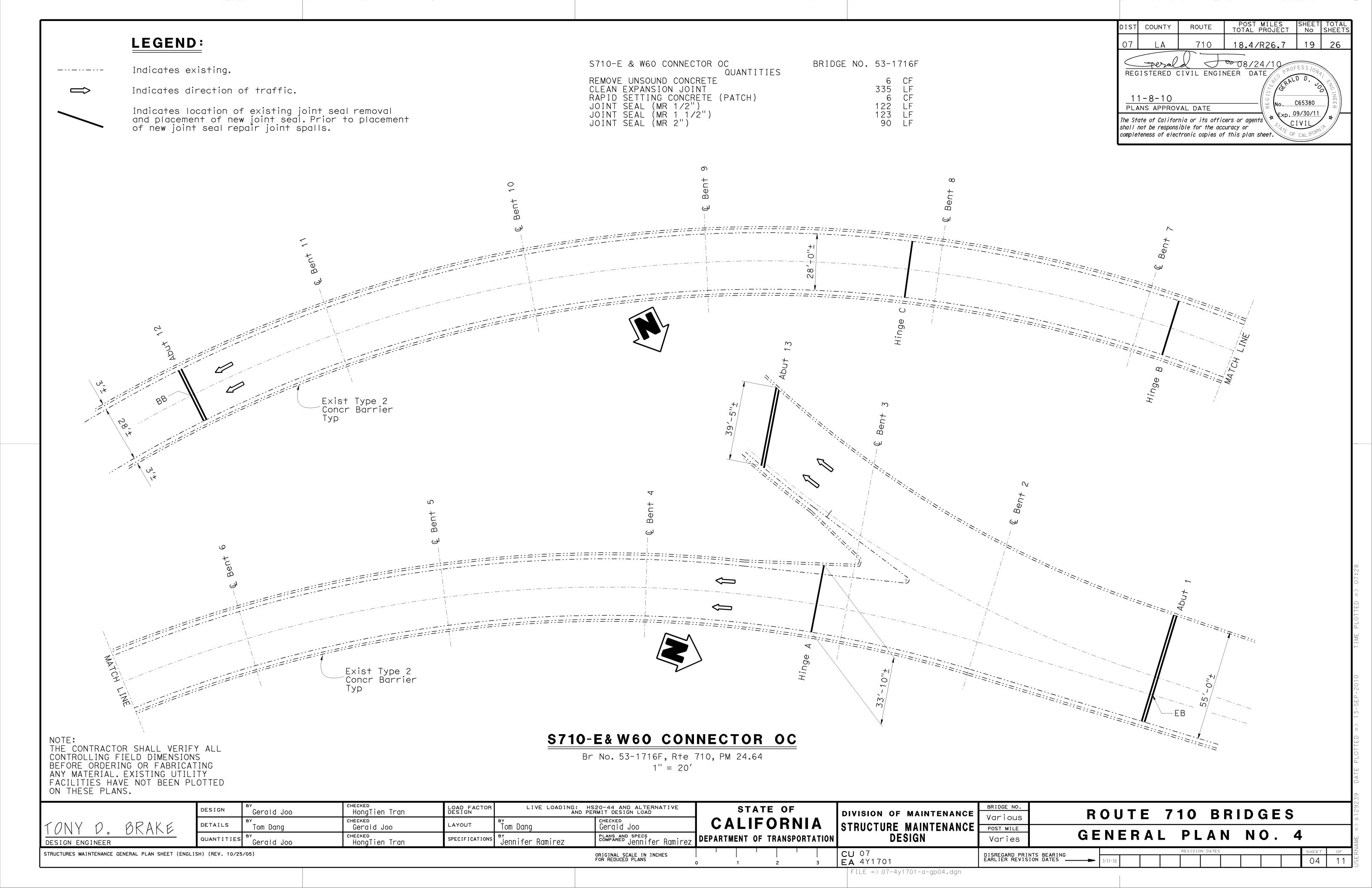
ATLANTIC BLVD UC (ONRAMP)

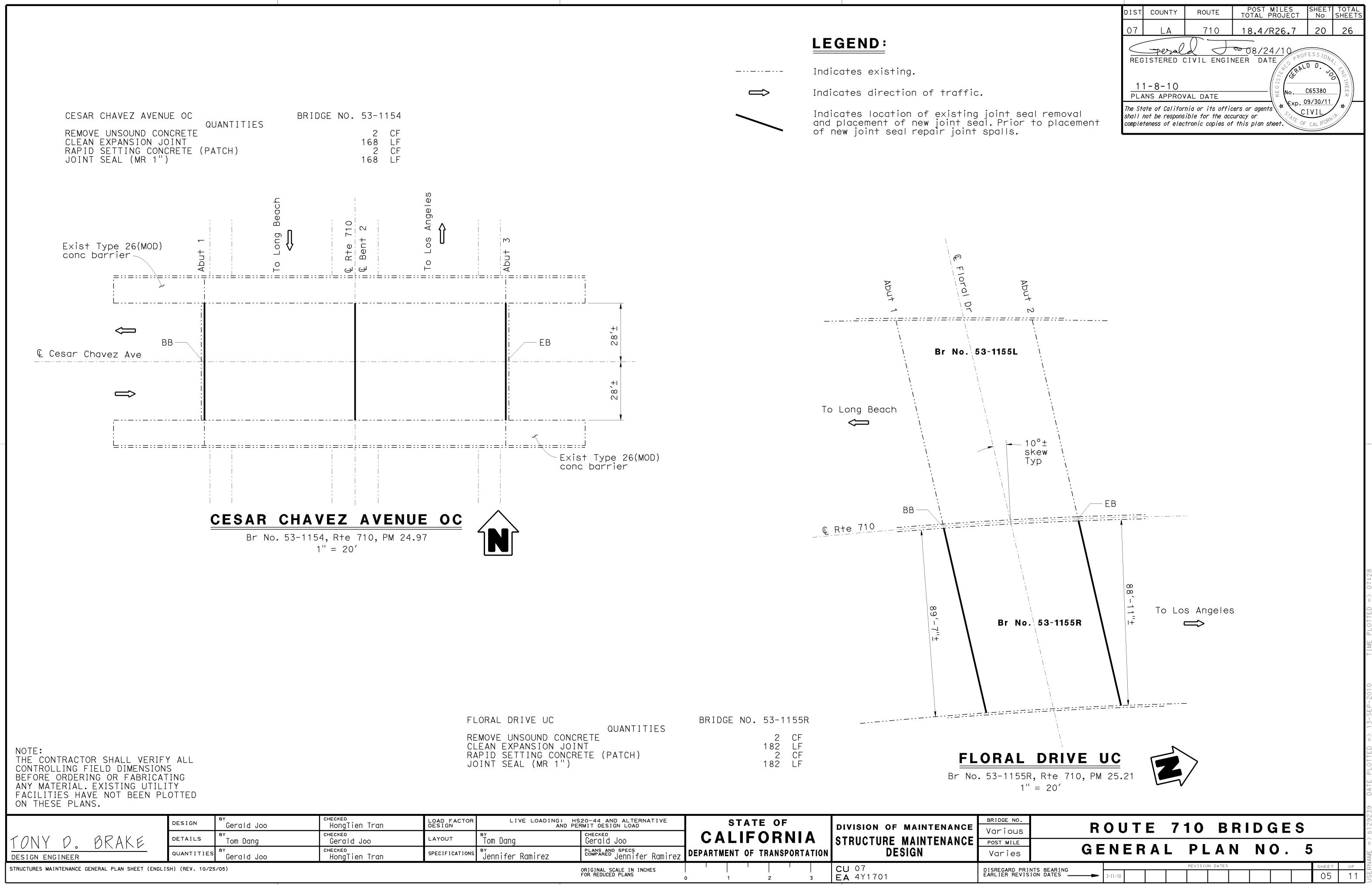
ATLANTIC BLVD UC (ONRAMP)



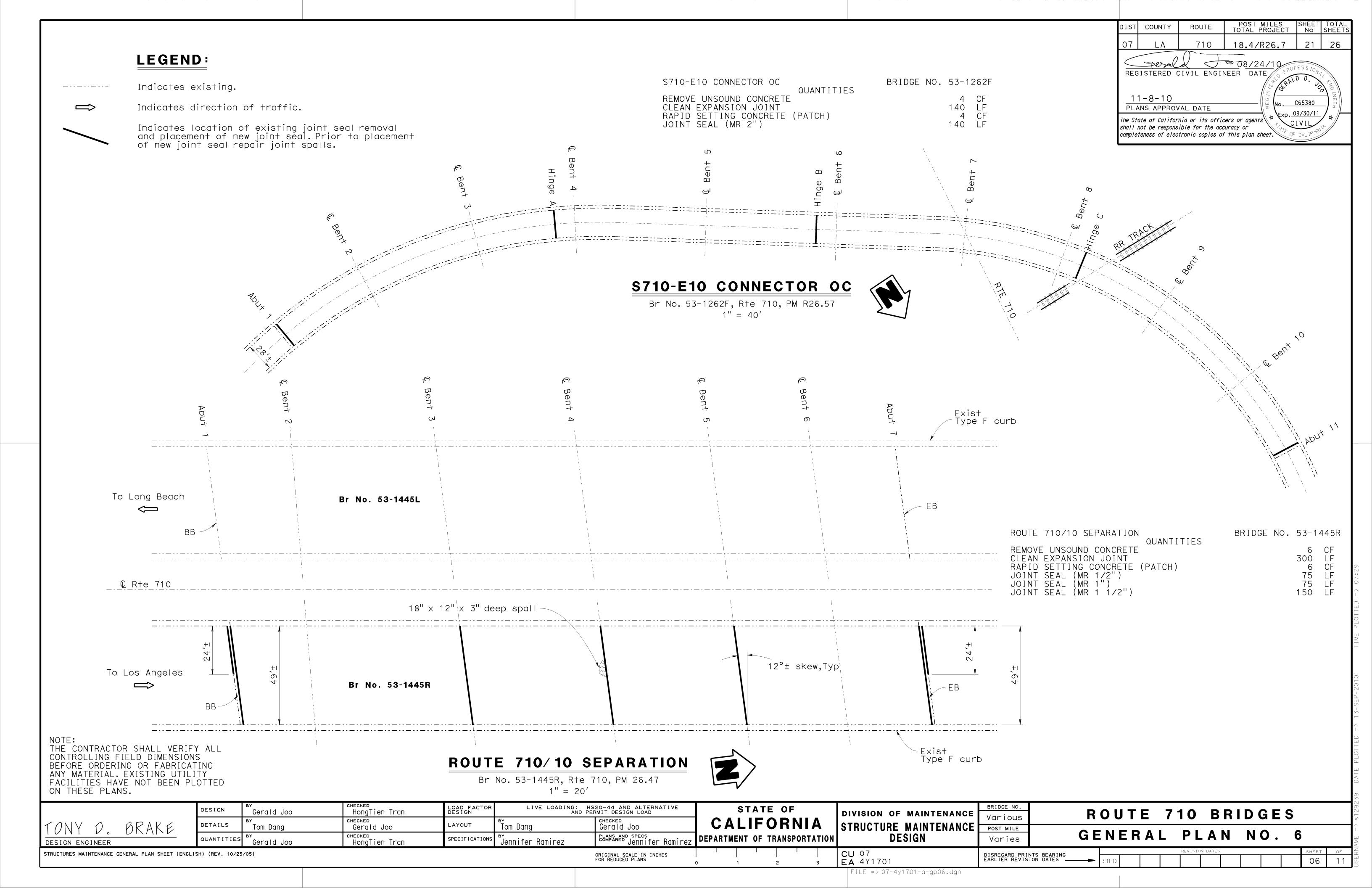
BEFORE ORDERING OR FABRICANY MATERIAL. EXISTING UT: FACILITIES HAVE NOT BEEN ON THESE PLANS.	CATING ILITY								Rte 710, PM 22.0
	DESIGN	BY Gerald Joo	checked HongTien Tran	LOAD FACTOR LIVE LOADING: DESIGN AND	HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD	STATE OF	DIVISION OF MAINTENANCE	BRIDGE NO.	ROUTE 710 BRIDGES
TONY D. BRAKE	DETAILS	BY Tom Dang	CHECKED Gerald Joo	LAYOUT BY Tom Dang	Gerald Joo		STRUCTURE MAINTENANCE	Various POST MILE	
DESIGN ENGINEER	QUANTITIES	BY Gerald Joo	снескев HongTien Tran	SPECIFICATIONS BY Jennifer Ramirez	PLANS AND SPECS COMPARED Jennifer Ramirez	DEPARTMENT OF TRANSPORTATION		Varies	GENERAL PLAN NO. 2
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (E)	ENGLISH) (REV. 10/25/	(05)			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		CU 07	DISREGARD PRI EARLIER REVIS	INTS BEARING SION DATES SHEET OF

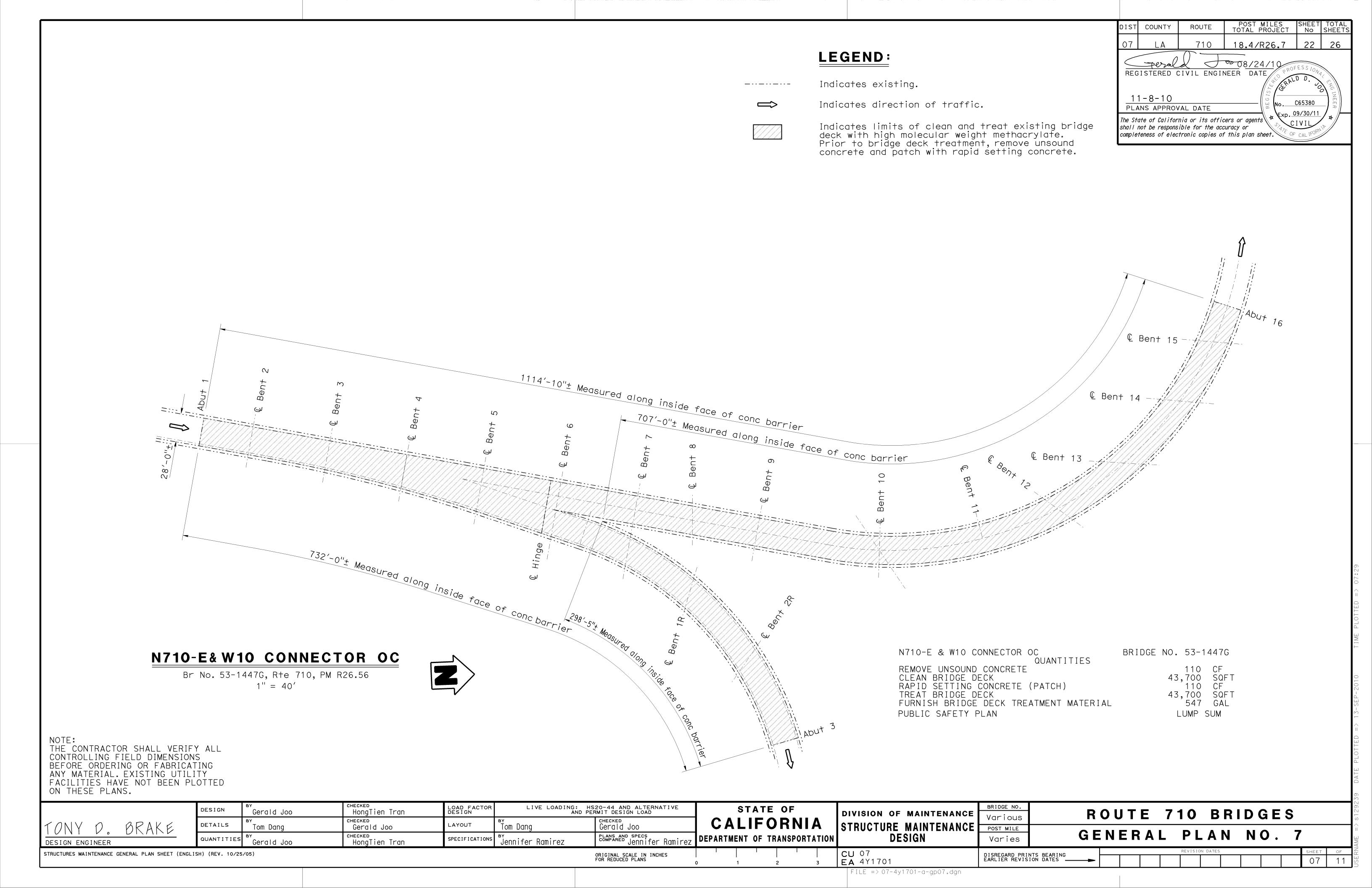


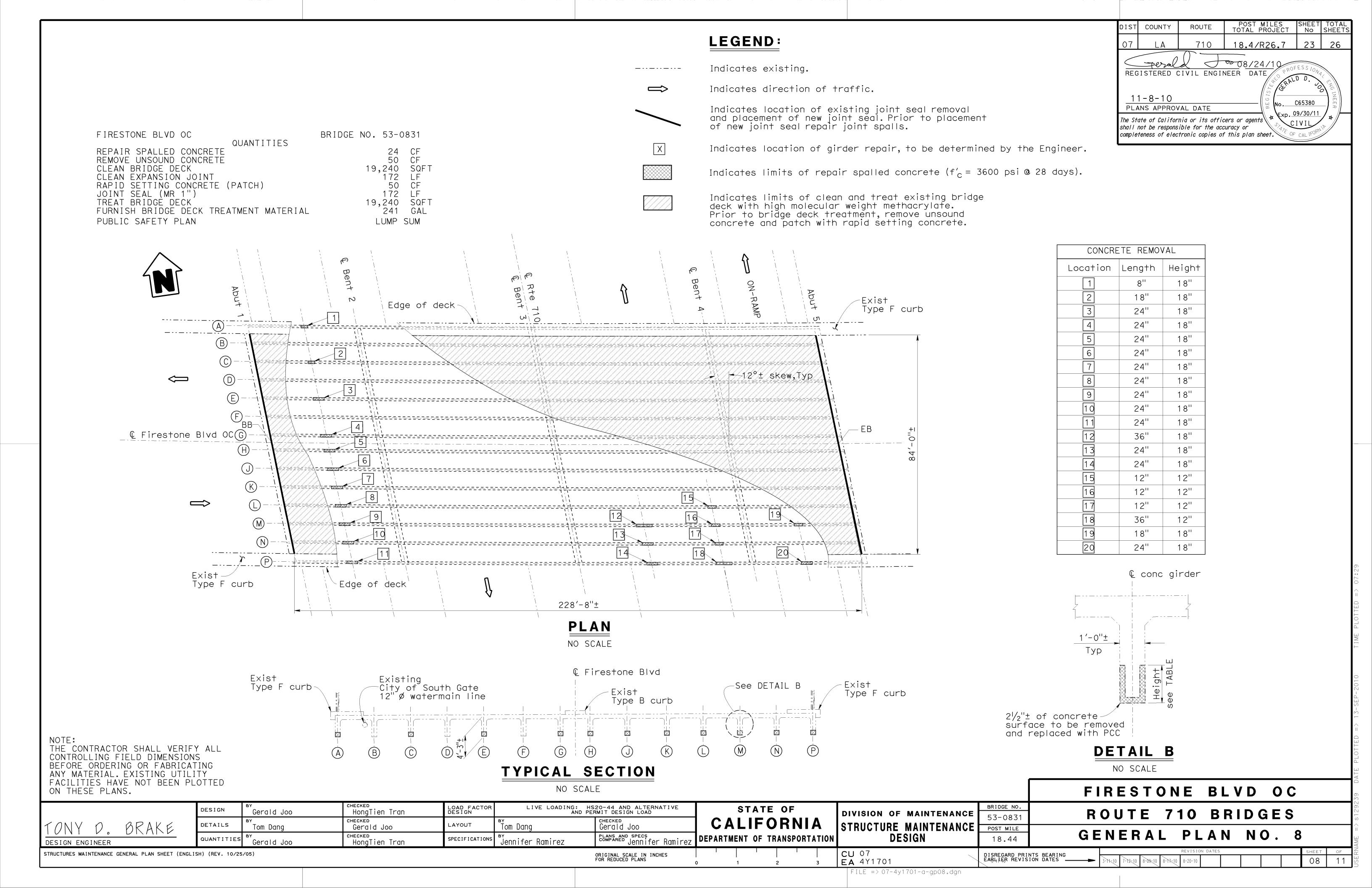


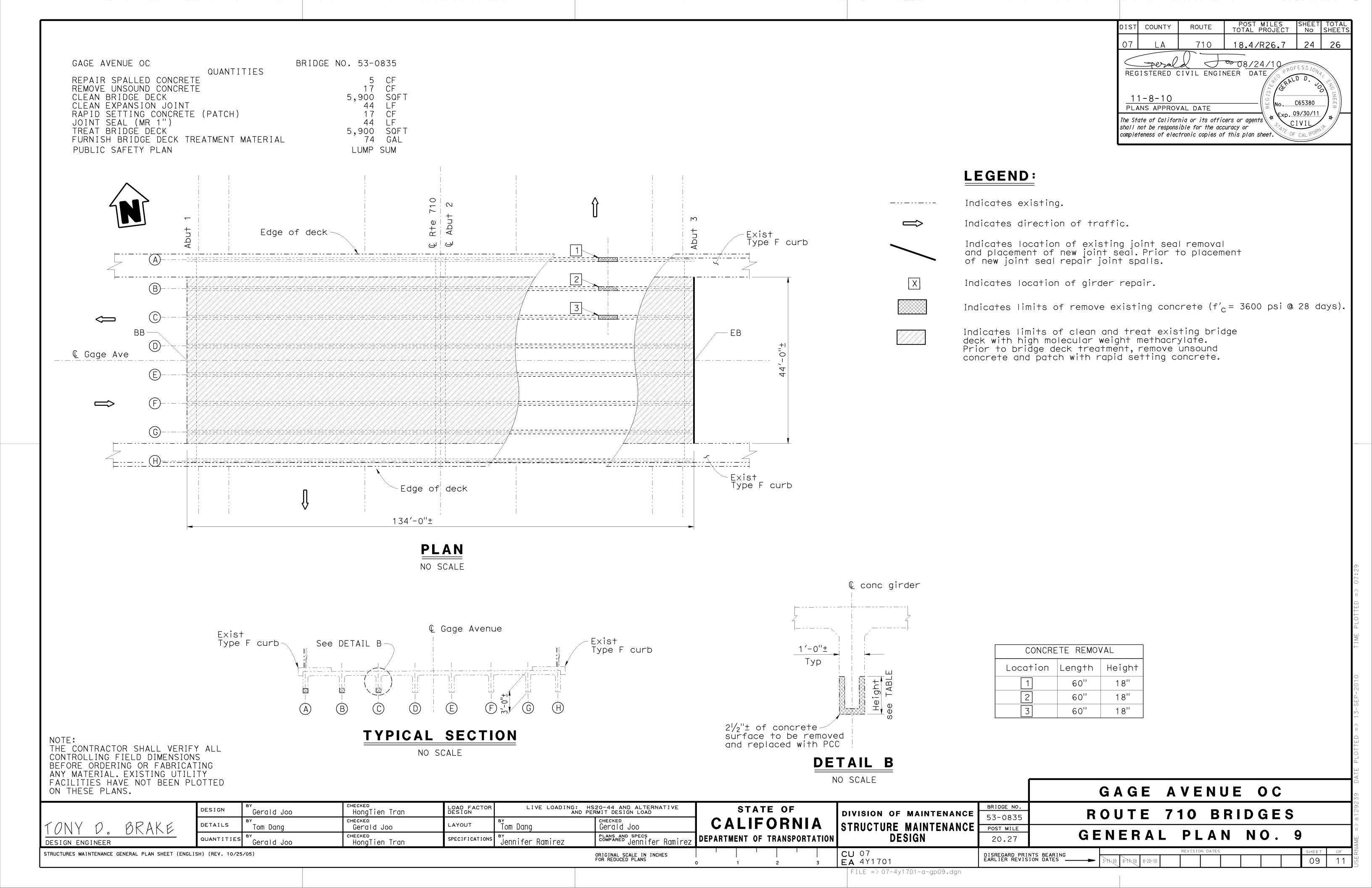


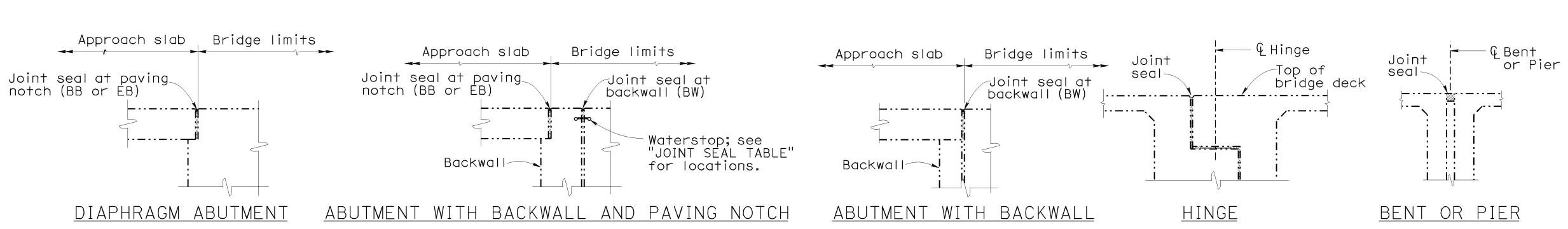
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POST MILES TOTAL PROJECT 25 18.4/R26.7 LA 08/24/10 REGISTERED CIVIL ENGINEER DATE, 11-8-10 C65380 PLANS APPROVAL DATE Exp. 09/30/11 The State of California or its officers or agents CIVIL shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet

JOINT SEAL LOCATION

NO SCALE

			•	JOINT	SEAL	_ TABL	E			
BRIDGE NAME	BRIDGE NUMBER	LOCATIO	N	MINIMUM "MR" (INCHES)	APPROX LENGTH (FT)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (INCHES)	I AFFRUA DEFIN	APPROX WIDTH OF JOINT SPALLS (INCHES)	APPROX LENGTH OF JOINT SPALLS (FEET)
FIDESTONE DLVD OC	57 0071	Abut 1	BW	1 X	86	NO	12	3	6	5
FIRESTONE BLVD OC	53-0831	Abut 5	BW	1 X	86	NO	12	3	6	5
GAGE AVENUE OC	53-0835	Abut 3	PN	1 X	44	NO	12	3	6	5
		Abut 1	PN	1/2	55	NO	12	3	6	5
		Abut 1	BW	11/2	55	YES	12	3	6	5
		Hinge A	DJ	2 **	34	YES	12	3	6	5
		Hinge B	DJ	2 **	28	YES	12	3	6 5	5
S710-E&W60 CONNECTOR OC	53-1716F	Hinge C	DJ	2 XX	28	YES	12	3	6	5
STITULE MOO CONNECTOR OC	33 17101	Abut 12	PN	1/2	28	NO	12	3	6	5
		Abut 12	BW	1 1/2	28	YES	12	3	6	5
		Abut 13	PN	1/2	40	NO	12	3	6	5
		Abut 13	BW	11/2	40	YES	12	3	6	5
		Abut 1	BW	1 X	56	NO	12	3	6	5
CESAR CHAVEZ AVENUE OC	53-1154	Bent 2	DJ	1 X	56	NO	12	3	6	5
		Abut 3	BW	1 X	56	NO	12	3	6	5
FLORAL DRIVE UC	53-1155R	Abut 1	PN	1 X	91	NO	12	3	6	5
	33 11331	Abut 2	PN	1 X	91	NO	12	3	6	5
		Abut 1	BW	2 **	28	NO	12	3	6	5
		Hinge A	DJ	2 **	28	YES	12	3	6	5
S710-E10 CONNECTOR OC	53-1262F	Hinge B	DJ	2 **	28	YES	12	3	6	5
		Hinge C	DJ	2 **	28	YES	12	3	6	5
		Abut 11	BW	2 **	28	NO	12	3	6	5
		Abut 1	PN	1/2	25	NO	12	3	6	5
		Abut 1	BW	1 *	50	NO	12	3	6	5
		Bent 3	DJ	11/2	50	NO	12	3	6	5
ROUTE 710/10 SEPARATION	53-1445R	Bent 4	DJ	11/2	50	NO	12	3	6	5
		Bent 5	DJ	1 1/2	50	NO	12	3	6	5
		Abut 7	PN	1/2	50	NO	12	3	6	5
		Abut 7	BW	1 X	25	NO	12	3	6	5

PN = Paving notch

STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 10/25/05)

* = use Type A silicone joint seal

** = use Type B joint seal BW = Backwall

DJ = Deck Joint

STATE OF DESIGN Gerald Joo HongTien Tran CALIFORNIA CHECKED DETAILS Tom Dang Gerald Joo HongTien Tran Gerald Joo

DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE **DESIGN**

BRIDGE NO. **ROUTE 710 BRIDGES** Various

NOTES:

The following notes apply to JOINT SEAL TYPE A:

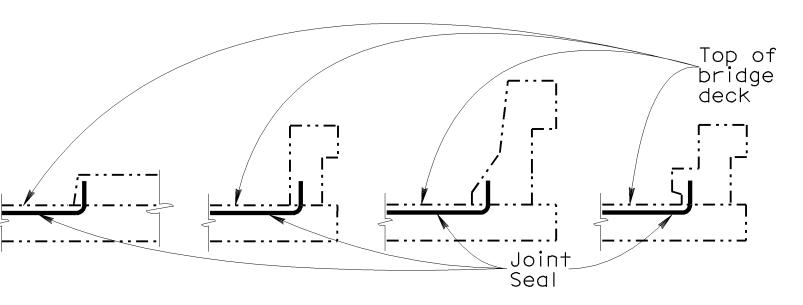
Install Joint Seal (MR = $\frac{1}{2}$ ") or Silicone Joint Seal 3" up into curb or barrier rail on the low side of the deck where deck joint aligns with curb or barrier rail joint.

For details not shown see RSP B6-21 sheet.

The following notes apply to JOINT SEAL TYPE B:

- 1) Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.
- 2) Minimum W1 is the calculated maximum width of the joint based on field measurements. After the joints have been cleaned, minimum W1 is to be recalculated by the Engineer.
- 3) W1 shall be the smaller of the values determined as follows:
 - A) 0.85 times the manufacturer's designed minimum
- uncompressed width of the seal. B) The width of the seal on the third successive test cycle of the pressure deflection test, when compressed to an average pressure of 3.0 PSI.
- 4) Bend Type B joint seal 6 inches up into curb or rail on the low side of the deck where deck joint matches curb or rail joint.

For details not shown see RSP B6-21 sheet.



BARRIER RAIL

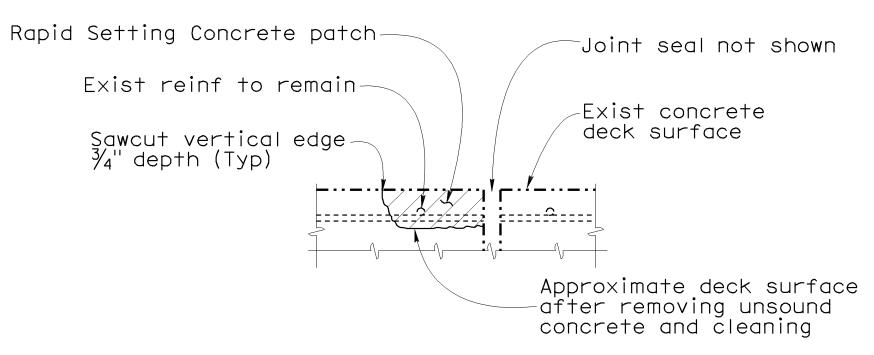
JOINT SEAL AT LOW SIDE OF DECK

Note: Details shown for illustration purposes only.

For use only where deck joint matches the sidewalk, curb or barrier rail joint.

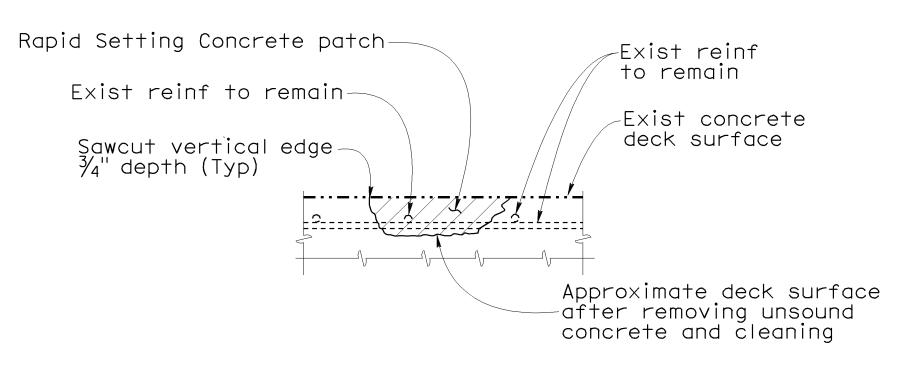
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY POST MILE MISCELLANEOUS DETAILS NO. 1 FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS. **DEPARTMENT OF TRANSPORTATION** Varies QUANTITIES **CU** 07 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS DISREGARD PRINTS BEARING EARLIER REVISION DATES **EA** 4Y1701 FILE => 07-4y1701-b-miscdt101.dgn

DECK REPAIR TABLE REMOVE UNSOUND CONCRETE AND RAPID SETTING CONCRETE (PATCH) APPROXIMATE APPROXIMATE DEPTH BRIDGE NAME BRIDGE NUMBER AREA DAMAGED (INCHES) FLORENCE AVENUE OC 53-0834 3 GAGE AVENUE OC 3 53-0835 CHELI DEPOT OH (RAMP) 53-0839K ATLANTIC BLVD UC 53-1009 ATLANTIC BLVD UC (ONRAMP) 53-0875S WASHINGTON BLVD UC 53-0841 3 ROUTE 710/5 SEPARATION 53-0875R N710-E&W10 CONNECTOR OC 53-1447G 3 FIRESTONE BLVD OC 53-0831 3



JOINT SPALL REPAIR DETAIL

Location will be determined by the Engineer. Reinforcement may be encountered during deck concrete removal and is to remain undamaged.



DECK DAMAGE REPAIR DETAIL

Location will be determined by the Engineer. Reinforcement may be encountered during deck concrete removal and is to remain undamaged.

NOTE:

THE CONTRACTOR SHALL VERIFY ALL

CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING

ANY MATERIAL. EXISTING UTILITY

Existing median concrete barrier type 60A

Top of existing concrete deck

Limit of treat and clean bridge deck

Limit of treat and clean bridge deck

DECK REPAIR NOTES:

concrete patch.

1. Existing reinforcement shall be protected

2. It is responsibility of the Contractor to repair any reinforcement that is

in place during unsound concrete removal and patching operations.

accidently cut by saw cutting operations.

4. The saw cut depth shall not exceed $\frac{3}{4}$ inch

reinforcing bars, whichever is less.

5. Remove unsound Portland Cement concrete

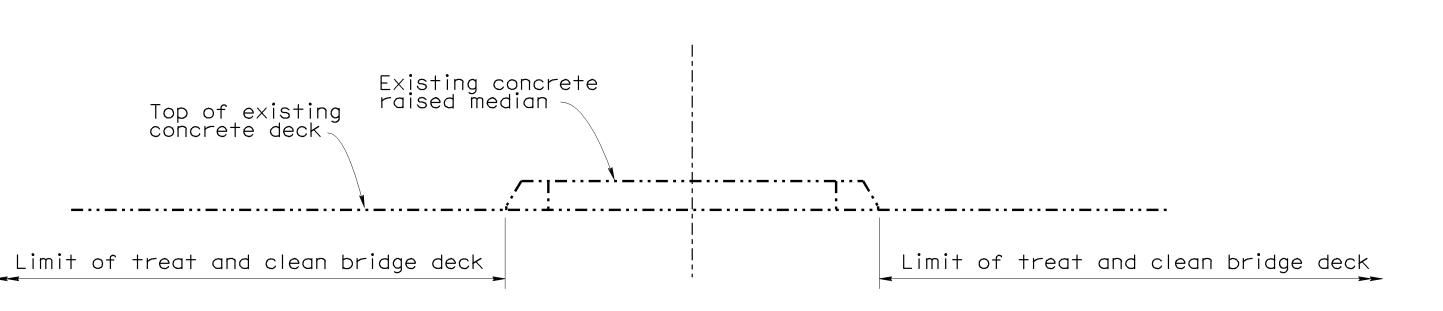
and unsound concrete patches to expose

sound, hard concrete substrate. Replace original deck surface with rapid setting

or the concrete cover over the top steel

3. When existing transverse reinforcement is exposed in the deck surface, saw cutting may be waived with the approval of the Engineer.

MEDIAN BARRIER



RAISED MEDIAN

POST MILES TOTAL PROJECT 07 26 l 710 LA 18.4/R26.7 08/24/10 perale REGISTERED CIVIL ENGINEER DATE 11-8-10 C65380 PLANS APPROVAL DATE Exp. 09/30/11 The State of California or its officers or agents CIVIL shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

Existing concrete barrier

Top of existing concrete deck

Limit of treat and clean bridge deck

EOD BARRIER

Existing concrete barrier

Top of existing concrete deck

Limit of treat and clean bridge deck

SIDEWALK BARRIER TYPE 2

Top of existing concrete deck

Limit of treat and clean bridge deck

SIDEWALK BARRIER TYPE 1

TYPICAL LIMITS OF DECK WORK

NO SCALE

FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.					110				
	DESIGN Gerald Joo	снескев HongTien Tran	STATE OF	DIVISION OF MAINTENANCE	BRIDGE NO.	ROUTE 710 BRIDGES			
	DETAILS BY Tom Dang	Gerald Joo	CALIFORNIA	STRUCTURE MAINTENANCE DESIGN	Various POST MILE				
	QUANTITIES BY Gerald Joo	checked HongTien Tran	DEPARTMENT OF TRANSPORTATION		Varies	MISCELLANEOUS DETAILS NO. 2			
STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 10/25/05)		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		CU 07	DISREGARD PRIN EARLIER REVIS	NTS BEARING ION DATES SHEET OF 3-11-10 11 11			

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